

# **Tobacco Institute Testing Laboratory Market Sample 30**

## *Report Supplement*

*Company Summaries  
Sorted Results  
Rounded Results  
Per Cigarette Data  
Butt Lengths*

**April 1988**

PM3001059738

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**American Tobacco**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
Carlton KFHP .....	< 0.5	< 0.05	< 0.5
Carlton KFSP .....	1.1±0.1	0.13±0.01	2.0±0.1
Carlton KFMSF .....	0.6±0.1	0.09±0.01	1.3±0.1
Carlton 100's 100FHP .....	0.8±0.1	0.11±0.01	1.1±0.1
Carlton 100's 100FMHP .....	0.7±0.1	0.10±0.01	0.9±0.1
Carlton 100's 100FSP .....	3.3±0.1	0.33±0.01	4.4±0.2
Carlton 100's 100FMSP .....	4.4±0.2	0.42±0.01	6.3±0.3
Carlton 120's 120FSP .....	5.9±0.2	0.57±0.01	5.0±0.2
Carlton 120's 120FMSP .....	6.1±0.2	0.60±0.02	5.1±0.2
Herbert Tareyton KNFSP .....	25.0±0.5	1.57±0.03	17.8±0.3
Lucky Strike RNFSP .....	24.3±0.4	1.50±0.02	17.0±0.4
Lucky Strike KFHP .....	11.7±0.2	0.88±0.02	12.6±0.3
Lucky Strike KFSP .....	11.7±0.2	0.87±0.02	12.4±0.4
Lucky Strike Filters 100's 100FSP .....	12.0±0.2	0.96±0.02	12.5±0.3
Lucky Strike Menthol 100's 100FMSP .....	11.6±0.3	0.92±0.02	12.3±0.3
Lucky Strike Lights KFSP .....	8.1±0.2	0.65±0.01	9.9±0.3
Lucky Strike Lights 100's 100FSP .....	9.2±0.2	0.75±0.02	10.3±0.3
Malibu 100's 100FSP .....	12.0±0.5	0.96±0.04	12.9±0.5
Malibu Menthol 100's 100FMSP .....	11.5±0.2	0.94±0.02	11.7±0.4
Malibu Light's 100's 100FSP .....	8.7±0.2	0.75±0.02	10.0±0.3
Pall Mall KNFSP .....	23.7±0.4	1.54±0.02	16.1±0.3
Pall Mall 25's KNFSP .....	23.6±0.5	1.54±0.03	16.2±0.4
Pall Mall 100's 100FSP .....	16.7±0.4	1.24±0.02	16.8±0.5
Pall Mall Unfiltered Lights KNFSP .....	16.2±0.9	1.10±0.04	12.0±1.0
Pall Mall Light 100's 100FSP .....	10.4±0.2	0.83±0.02	12.0±0.4
Pall Mall Light 100's Low Tar 100FMSP .....	13.3±0.2	1.06±0.02	12.9±0.3
Pall Mall Red KFSP .....	13.8±0.3	1.02±0.02	12.9±0.3
Pall Mall Red 100FSP .....	13.6±0.3	1.04±0.02	14.0±0.3
Silva Thins Filters 100FHP .....	10.3±0.2	0.87±0.02	11.1±0.2
Silva Thins Menthol 100FMHP .....	11.3±0.2	0.97±0.02	11.4±0.3
Silva Thins 100FSP .....	11.6±0.2	0.94±0.02	10.2±0.3
Silva Thins Menthol 100FMSP .....	12.1±0.2	1.01±0.02	10.4±0.3
Tall 120s 120FSP .....	19.9±0.4	1.64±0.04	20.7±0.6
Tall 120s 120FMSP .....	17.8±0.4	1.54±0.03	17.6±0.6
Tareyton KFSP .....	13.8±0.3	0.95±0.02	15.3±0.3
Tareyton 100's 100FSP .....	13.5±0.3	0.97±0.02	16.2±0.4
Tareyton Lights KFSP .....	5.1±0.2	0.42±0.02	5.7±0.3
Tareyton Long Lights 100FSP .....	8.6±0.2	0.71±0.02	9.2±0.3

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**Brown & Williamson Tobacco Corporation**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Belair KFMSP .....	10.4±0.2	0.82±0.02	9.8±0.2
Belair 100's 100FMSP .....	8.6±0.3	0.66±0.02	9.2±0.4
Capri 100FHP .....	8.8±0.2	0.76±0.02	6.2±0.2
Capri 100FMHP .....	8.8±0.2	0.71±0.01	5.9±0.2
Eli Cutter KFSP .....	16.1±0.2	1.10±0.03	15.4±0.2
Eli Cutter Lights KFSP .....	12.1±0.3	0.93±0.02	13.4±0.3
Falcon Lights KFSP .....	11.1±0.2	0.77±0.02	10.9±0.2
Falcon Lights KFMSP .....	10.5±0.3	0.78±0.02	12.1±0.4
Falcon Lights 100's 100FSP .....	12.6±0.2	0.87±0.02	15.2±0.4
Falcon Lights 100's 100FMSP .....	8.5±0.2	0.68±0.02	10.5±0.3
Fiesta KFSP .....	16.1±0.2	0.71±0.01	18.4±0.3
Kim 25's 100FHP .....	10.9±0.3	0.87±0.01	11.6±0.4
Kim 25's 100FMHP .....	9.3±0.2	0.78±0.02	9.9±0.2
Kool RNFMSF .....	21.5±0.8	1.34±0.05	14.3±0.4
Kool KFMHP .....	15.6±0.3	1.09±0.02	15.8±0.3
Kool KFMSP .....	16.9±0.4	1.18±0.03	16.5±0.4
Kool Super Longs 100's 100FMSP .....	16.2±0.2	1.23±0.03	16.3±0.3
Kool Lights KFMSP .....	8.5±0.3	0.70±0.02	9.2±0.3
Kool Lights 100's 100FMSP .....	8.7±0.5	0.73±0.03	9.8±0.5
Kool Milds KFMHP .....	11.5±0.3	0.86±0.02	11.1±0.3
Kool Milds KFMSP .....	11.9±0.3	0.92±0.02	12.6±0.3
Kool Milds 100's 100FMSP .....	11.5±0.2	0.92±0.02	12.2±0.2
Kool Ultra KFMSP .....	3.0±0.3	0.28±0.03	3.7±0.4
Kool Ultra 100's 100FMSP .....	5.5±0.1	0.49±0.01	6.1±0.3
Raleigh KNFSP .....	24.0±0.4	1.38±0.03	17.0±0.4
Raleigh KFSP .....	15.0±0.2	0.96±0.02	14.5±0.3
Raleigh 100's 100FSP .....	15.3±0.3	0.99±0.02	16.2±0.3
Raleigh Lights KFSP .....	11.6±0.2	0.86±0.01	13.5±0.3
Raleigh Lights 100's 100FSP .....	11.2±0.3	0.86±0.02	13.3±0.4
Richland (25) KFSP .....	16.6±0.3	1.16±0.03	15.7±0.3
Richland (25) KFMSP .....	16.4±0.3	1.09±0.02	16.1±0.3
Richland (25) 100's 100FSP .....	17.7±0.3	1.31±0.02	17.2±0.4
Richland (25) 100's 100FMSP .....	16.2±0.2	1.18±0.03	16.6±0.3
Richland Lights (25) KFSP .....	10.8±0.2	0.79±0.02	12.5±0.2
Richland Lights (25) 100's 100FSP .....	12.4±0.2	0.92±0.02	14.4±0.4
Viceroy KFSP .....	15.1±0.3	0.96±0.02	14.7±0.3
Viceroy Super Long 100's 100FSP .....	15.8±0.4	1.14±0.02	15.1±0.4
Viceroy Lights KFSP .....	11.5±0.3	0.86±0.02	13.4±0.4
Viceroy Lights 100's 100FSP .....	11.8±0.2	0.91±0.02	14.0±0.4

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**Liggett & Myers Tobacco Company**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Chesterfield RNFSP .....	20.5±0.5	1.30±0.03	13.2±0.3
Chesterfield KNFSP .....	24.7±0.5	1.69±0.04	15.7±0.3
Eve Slim Lights 100's 100FHP .....	12.8±0.2	1.04±0.02	11.1±0.2
Eve Slim Lights 100's 100FMHP .....	12.8±0.3	1.03±0.02	10.9±0.3
Eve Lights 120's 120FHP .....	12.3±0.3	1.07±0.03	10.7±0.4
Eve Lights 120's 120FMHP .....	12.5±0.4	1.11±0.03	10.8±0.4
L & M KFHP .....	13.9±0.3	1.09±0.02	13.3±0.3
L & M KFSP .....	13.4±0.2	1.04±0.02	12.9±0.2
L & M Super 100 100FSP .....	13.8±0.2	1.09±0.03	13.9±0.3
L & M Long Lights 100FSP .....	7.6±0.2	0.79±0.02	6.2±0.2
L & M 30's Lights 100's 100FSP .....	12.8±0.2	1.08±0.02	10.7±0.3
Lark KFSP .....	13.3±0.1	1.05±0.02	12.2±0.3
Lark 100FSP .....	14.8±0.3	1.20±0.03	14.5±0.4
Lark Lights KFSP .....	13.1±0.2	1.01±0.02	12.8±0.4
Lark Light 100's 100FSP .....	13.8±0.3	1.09±0.02	14.1±0.4

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**Lorillard, Inc.**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Kent Golden Lights KFHP .....	9.6±0.3	0.84±0.02	10.5±0.4
Kent Golden Lights KFSP .....	8.7±0.3	0.79±0.02	9.4±0.5
Kent Golden Lights KFMSF .....	8.0±0.2	0.73±0.02	8.8±0.4
Kent Golden Lights 100s 100FHP .....	9.9±0.3	0.91±0.02	10.6±0.5
Kent Golden Lights 100s 100FSP .....	10.3±0.4	0.94±0.03	11.2±0.4
Kent Golden Lights 100s 100FMSP .....	9.2±0.3	0.86±0.02	9.8±0.4
Kent KFHP .....	11.5±0.3	0.87±0.02	12.8±0.4
Kent KFSP .....	12.3±0.4	0.93±0.03	13.4±0.4
Kent 100s 100FSP .....	13.4±0.2	1.04±0.02	13.8±0.3
Kent 100s 100FMSP .....	13.6±0.3	1.00±0.03	14.4±0.3
Kent III KFSP .....	3.7±0.2	0.39±0.02	4.4±0.3
Kent III 100s 100FHP .....	4.9±0.2	0.48±0.02	6.3±0.3
Kent III 100s 100FSP .....	5.3±0.3	0.52±0.02	7.1±0.4
Max 120s 120FSP .....	17.7±0.3	1.45±0.03	16.7±0.5
Max 120s 120FMSP .....	18.2±0.4	1.51±0.02	16.8±0.5
Newport KFMHP .....	16.6±0.3	1.28±0.02	16.9±0.4
Newport KFMSF .....	17.3±0.2	1.33±0.02	17.7±0.3
Newport 100's 100FMHP .....	19.3±0.3	1.53±0.03	19.0±0.3
Newport 100's 100FMSP .....	19.4±0.3	1.53±0.03	18.9±0.4
Newport (25) KFMSF .....	16.8±0.3	1.29±0.03	17.0±0.4
Newport 100's (25) 100FMSP .....	19.6±0.3	1.55±0.03	19.0±0.4
Newport Lights KFMHP .....	9.2±0.2	0.84±0.02	10.1±0.3
Newport Lights KFMSF .....	9.0±0.2	0.82±0.02	9.9±0.3
Newport Lights 100's 100FMHP .....	10.2±0.3	0.97±0.03	10.8±0.4
Newport Lights 100's 100FMSP .....	9.4±0.2	0.87±0.02	9.9±0.3
Old Gold Straights KNFSP .....	26.9±0.4	1.91±0.03	18.8±0.3
Old Gold Filters KFSP .....	17.5±0.4	1.34±0.03	18.2±0.4
Old Gold Filter 100's 100FSP .....	19.7±0.3	1.52±0.03	19.5±0.4
Old Gold Lights KFSP .....	9.7±0.2	0.87±0.02	11.2±0.3
Old Gold Lights 100s 100FSP .....	13.0±0.2	1.02±0.02	16.7±0.3
Satin 100FSP .....	11.0±0.3	0.97±0.02	12.7±0.3
Satin 100FMSP .....	11.3±0.3	1.00±0.02	13.2±0.4
Spring 100's 100FMSP .....	19.4±0.2	1.56±0.02	18.5±0.3
Triumph KFSP .....	3.6±0.1	0.37±0.02	4.3±0.2
Triumph KFMSF .....	3.5±0.2	0.37±0.02	4.3±0.3
Triumph 100s 100FSP .....	5.1±0.2	0.50±0.01	6.7±0.2
Triumph 100s 100FMSP .....	5.7±0.2	0.55±0.02	7.5±0.4
True KFSP .....	4.8±0.2	0.47±0.02	5.8±0.2
True KFMSF .....	4.7±0.3	0.46±0.03	5.8±0.3
True 100's 100FSP .....	7.1±0.3	0.67±0.03	7.4±0.4
True 100's 100FMSP .....	7.2±0.4	0.68±0.03	7.5±0.4

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**Philip Morris U.S.A.**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Alpine KFMSP .....	17.0±0.4	1.08±0.02	15.7±0.4
Benson & Hedges KFHP .....	15.1±0.4	1.18±0.02	11.5±0.3
Benson & Hedges 100's 100FHP .....	16.8±0.2	1.16±0.02	16.1±0.4
Benson & Hedges 100's 100FMHP .....	16.3±0.3	1.13±0.02	15.1±0.4
Benson & Hedges 100's 100FSP .....	17.0±0.3	1.19±0.02	17.2±0.4
Benson & Hedges 100's 100FMSP .....	16.4±0.2	1.16±0.02	16.1±0.4
B&H Deluxe Ultra Lights 100's 100FHP .....	5.8±0.3	0.49±0.02	7.1±0.4
B&H Deluxe Ultra Lights 100's 100FMHP .....	5.4±0.2	0.49±0.02	6.2±0.4
Benson & Hedges Lights 100's 100FSP .....	10.5±0.2	0.81±0.02	12.8±0.3
Benson & Hedges Lights 100's 100FMSP .....	10.6±0.2	0.78±0.02	12.2±0.3
Benson & Hedges Multifilter KFSP .....	12.1±0.2	0.87±0.02	11.6±0.3
Cambridge Full Flavor KFSP .....	17.0±0.3	1.08±0.02	16.1±0.3
Cambridge Full Flavor 100's 100FSP .....	17.2±0.3	1.15±0.02	15.9±0.4
Cambridge Lights KFSP .....	12.2±0.2	0.84±0.02	12.5±0.3
Cambridge Lights KFMSP .....	11.9±0.3	0.81±0.03	12.5±0.3
Cambridge Lights 100's 100FSP .....	11.9±0.2	0.87±0.02	14.4±0.2
Cambridge Lights 100's 100FMSP .....	11.8±0.2	0.86±0.01	14.0±0.3
English Ovals KNFHP .....	24.2±0.6	1.84±0.05	15.3±0.4
Hi-Lite 100FHP .....	13.8±0.2	1.01±0.02	14.5±0.4
Marlboro KFHP .....	16.3±0.3	1.08±0.02	14.9±0.4
Marlboro KFSP .....	16.8±0.2	1.11±0.02	15.8±0.3
Marlboro KFMSP .....	16.8±0.2	1.09±0.01	15.6±0.3
Marlboro 100's 100FHP .....	16.6±0.3	1.16±0.02	16.5±0.5
Marlboro 100's 100FSP .....	16.9±0.3	1.17±0.02	16.6±0.5
Marlboro 25's KFSP .....	16.9±0.4	1.07±0.02	15.6±0.4
Marlboro Lights KFHP .....	10.7±0.2	0.77±0.01	11.9±0.2
Marlboro Lights KFSP .....	11.2±0.2	0.80±0.01	12.1±0.4
Marlboro Lights KFMSP .....	11.0±0.2	0.79±0.02	12.1±0.3
Marlboro Lights 100's 100FHP .....	10.9±0.2	0.82±0.01	12.9±0.4
Marlboro Lights 100's 100FSP .....	11.2±0.2	0.83±0.02	13.2±0.3
Marlboro Lights 100's 100FMSP .....	10.0±0.2	0.78±0.02	11.7±0.2
Marlboro Lights 25's KFSP .....	11.3±0.2	0.79±0.02	12.2±0.3
Marlboro 100 Red 100FHP .....	16.8±0.2	1.19±0.02	17.0±0.3
Marlboro 100 Red 100FSP .....	16.7±0.3	1.18±0.02	16.0±0.3
Merit KFHP .....	8.2±0.2	0.63±0.01	10.1±0.3
Merit KFSP .....	8.2±0.2	0.62±0.01	10.0±0.3
Merit KFMSP .....	7.8±0.2	0.59±0.01	9.7±0.2
Merit 100's 100FSP .....	9.9±0.2	0.78±0.02	11.8±0.3
Merit 100's 100FMSP .....	10.0±0.2	0.76±0.02	11.6±0.2
Merit Ultra Lights KFSP .....	5.2±0.2	0.46±0.02	6.7±0.3
Merit Ultra Lights KFMSP .....	4.7±0.1	0.41±0.01	5.8±0.2
Merit Ultra Lights 100's 100FSP .....	5.6±0.1	0.50±0.01	7.5±0.2
Merit Ultra Lights 100's 100FMSP .....	5.4±0.1	0.49±0.01	7.4±0.2

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**Philip Morris U.S.A.**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Parliament Lights KFHP .....	9.1±0.2	0.68±0.01	9.7±0.2
Parliament Lights KFSP .....	9.3±0.3	0.70±0.02	10.4±0.4
Parliament Lights 100's 100FSP .....	12.4±0.2	0.95±0.02	13.1±0.4
Philip Morris RNFSP .....	22.7±0.4	1.34±0.02	13.3±0.3
Philip Morris Commander KNFSP .....	27.2±0.5	1.65±0.03	16.3±0.4
Philip Morris Blues KFMSP .....	16.9±0.3	1.18±0.02	16.0±0.3
Philip Morris Blues 100FMSP .....	15.5±0.2	1.15±0.02	15.6±0.4
Philip Morris International 100FHP .....	17.8±0.2	1.20±0.01	16.7±0.4
Philip Morris International 100FMHP .....	16.8±0.3	1.13±0.02	15.5±0.4
Players RNFHP .....	25.2±0.5	1.66±0.04	16.0±0.3
Players KFHP .....	11.6±0.2	0.81±0.01	12.1±0.4
Players KFMHP .....	11.9±0.2	0.81±0.01	12.2±0.2
Players 100's 100FHP .....	14.0±0.2	0.98±0.01	12.8±0.3
Players 100's 100FMHP .....	14.4±0.3	1.00±0.02	13.0±0.4
Players Lights 25's KFSP .....	10.2±0.2	0.72±0.01	11.2±0.3
Players Lights 25's KFMSP .....	10.1±0.3	0.72±0.02	11.0±0.3
Players 25's Lights 100's 100FSP .....	11.8±0.2	0.85±0.01	13.8±0.3
Players 25's Lights 100's 100FMSP .....	11.4±0.2	0.82±0.01	13.4±0.2
Saratoga 120's 120FHP .....	14.4±0.3	1.04±0.02	14.5±0.4
Saratoga 120's 120FMHP .....	14.9±0.3	1.06±0.02	14.9±0.3
Virginia Slims 100FSP .....	15.4±0.2	1.06±0.01	14.1±0.2
Virginia Slims 100FMSP .....	15.4±0.3	1.07±0.02	13.5±0.4
Virginia Slims Lights 100FHP .....	8.8±0.2	0.68±0.02	9.5±0.3
Virginia Slims Lights 100FMHP .....	8.6±0.2	0.68±0.02	9.2±0.2
Virginia Slims Lights 120's 120FHP .....	14.3±0.3	1.02±0.03	14.7±0.5
Virginia Slims Lights 120's 120FMHP .....	14.6±0.5	1.05±0.02	14.5±0.5
Virginia Slims Ultra Lights 100FHP .....	5.9±0.1	0.49±0.01	6.8±0.2
Virginia Slims Ultra Lights 100FMHP .....	6.3±0.1	0.52±0.01	7.3±0.2

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results**

**R.J. Reynolds Tobacco Company**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Bright 100s 100FMSP .....	6.7±0.1	0.49±0.02	10.7±0.2
Camel RNFSP .....	21.9±0.5	1.36±0.03	14.4±0.3
Camel Filters KFHP .....	16.5±0.2	1.03±0.01	16.3±0.3
Camel Filters KFSP .....	15.4±0.2	1.00±0.02	15.3±0.3
Camel Filters 100FSP .....	17.4±0.4	1.07±0.03	18.1±0.5
Camel Lights KFHP .....	9.6±0.2	0.61±0.01	11.7±0.2
Camel Lights KFSP .....	8.9±0.2	0.61±0.01	12.5±0.3
Camel Lights 100's 100FSP .....	11.2±0.3	0.78±0.01	14.5±0.3
Century 25's (25) KFSP .....	14.8±0.3	0.95±0.02	17.0±0.4
Century 25's 100's 100FSP .....	17.0±0.4	1.10±0.03	20.7±0.5
Century 25's Lights (25) KFSP .....	9.7±0.2	0.68±0.01	11.9±0.2
Century 25's Lights 100's 100FSP .....	11.8±0.2	0.85±0.01	13.7±0.4
Century 25's Menthol Lights 100's .....	11.9±0.3	0.84±0.02	13.6±0.3
Doral Full Flavor KFHP .....	15.2±0.3	0.80±0.02	18.1±0.5
Doral Full Flavor KFSP .....	17.8±0.2	0.91±0.01	19.5±0.4
Doral Full Flavor 100's 100FSP .....	14.2±0.2	0.81±0.02	16.6±0.3
Doral Filter Lights KFSP .....	12.3±0.3	0.66±0.02	15.0±0.4
Doral Menthol Filter Lights KFMSF .....	11.7±0.2	0.62±0.02	14.1±0.3
Doral 100's Filter Lights 100FSP .....	12.0±0.2	0.72±0.02	13.7±0.3
Doral Menthol Lights 100's 100FMSP .....	12.1±0.2	0.72±0.02	13.7±0.3
Doral Ultra Lights 100's 100FSP .....	6.8±0.2	0.46±0.02	11.7±0.4
Magna KFHP .....	14.1±0.4	0.89±0.02	15.9±0.5
Magna KFSP .....	14.2±0.3	0.93±0.02	14.9±0.3
Magna Lites KFSP .....	9.0±0.1	0.62±0.01	13.2±0.2
More 120s 120FSP .....	16.6±0.3	1.15±0.02	21.1±0.5
More 120s 120FMSP .....	16.9±0.5	1.25±0.03	21.3±0.7
More Lights 100s 100FHP .....	9.5±0.3	0.74±0.02	9.8±0.3
More Lights 100s 100FMHP .....	8.9±0.2	0.66±0.01	9.8±0.4
More Lights 120s 120FSP .....	12.0±0.3	0.89±0.02	19.1±0.4
More Lights 120s 120FMSP .....	11.8±0.2	0.91±0.02	19.2±0.5
Now KFHP .....	< 0.5	< 0.05	< 0.5
Now KFSP .....	1.0±0.1	0.13±0.01	2.0±0.1
Now KFMSF .....	1.1±0.1	0.13±0.01	2.2±0.1
Now 100s 100FSP .....	2.1±0.1	0.23±0.01	3.4±0.2
Now 100s 100FMSP .....	2.7±0.1	0.27±0.01	4.5±0.2
Ritz 100 100FHP .....	11.7±0.2	0.83±0.02	13.0±0.2
Ritz 100 100FMHP .....	11.5±0.2	0.80±0.02	11.7±0.2
Salem KFMSF .....	15.7±0.3	0.97±0.02	18.4±0.4
Salem 100's 100FMSP .....	16.6±0.2	1.13±0.02	17.9±0.4
Salem Lights KFMSF .....	9.7±0.3	0.70±0.02	12.5±0.3
Salem Lights 100's 100FMHP .....	10.8±0.2	0.82±0.02	11.7±0.2
Salem Lights 100's 100FMSP .....	9.3±0.2	0.73±0.02	11.4±0.3
Salem Slim Lights 100's 100FMHP .....	9.1±0.2	0.72±0.02	9.8±0.2

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Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results

R.J. Reynolds Tobacco Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Salem Ultra Lights KFMSP.....	5.1±0.1	0.42±0.01	7.7±0.20
Salem Ultra Lights 100's 100FMSP.....	4.7±0.1	0.43±0.02	7.4±0.20
Vantage KFSP.....	10.6±0.3	0.72±0.02	13.6±0.40
Vantage KFMSP.....	10.3±0.3	0.69±0.02	12.8±0.40
Vantage 100s 100FSP.....	8.8±0.1	0.62±0.01	12.3±0.20
Vantage Menthol 100s 100FMSP.....	8.4±0.1	0.61±0.02	12.5±0.30
Vantage Ultra Lights KFSP.....	5.3±0.2	0.44±0.01	7.7±0.40
Vantage Ultra Lights 100s 100FSP.....	5.6±0.1	0.47±0.02	9.2±0.30
Winston KFHP.....	16.4±0.2	1.03±0.01	16.4±0.30
Winston KFSP.....	16.8±0.3	1.09±0.02	15.9±0.20
Winston 100's 100FSP.....	17.2±0.3	1.07±0.02	17.5±0.30
Winston Lights KFHP.....	10.0±0.2	0.63±0.01	11.9±0.30
Winston Lights KFSP.....	10.9±0.2	0.75±0.01	13.5±0.40
Winston Lights 100's 100FHP.....	9.6±0.2	0.67±0.01	11.1±0.30
Winston Lights 100's 100FSP.....	11.2±0.2	0.79±0.01	13.0±0.30
Winston Ultra Lights KFSP.....	5.1±0.1	0.43±0.01	7.8±0.20
Winston Ultra Lights 100's 100FSP.....	5.1±0.1	0.45±0.01	8.6±0.20

Tobacco Institute Testing Laboratory  
Market Sample 30  
Company Results

Larus & Brother Company

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Craven "A" KFHP .....	15.5±0.3	1.13±0.02	15.7±0.3
Craven "A" RFHP .....	16.0±0.4	1.11±0.03	12.8±0.3
Dunhill International 100FHP .....	14.8±0.2	1.38±0.03	17.3±0.4
Dunhill Menthol 100FMHP .....	14.5±0.2	1.23±0.02	17.1±0.3
Dunhill International Superior Mild 100FHP .....	9.3±0.2	0.79±0.01	10.8±0.3
Rothmans KFHP .....	18.6±0.3	1.27±0.03	20.4±0.3
Rothmans Special Mild KFHP .....	13.8±0.2	1.01±0.02	15.6±0.3
St. Moritz Filter 100s 100FSP .....	14.8±0.3	1.10±0.02	14.8±0.3
St. Moritz Menthol Filter 100MSP .....	15.1±0.2	1.04±0.02	15.5±0.3

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**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Carlton KFHP .....	< 0.05	< 0.5	< 0.5
Now KFHP .....	< 0.05	< 0.5	< 0.5
Carlton KFMSF .....	0.09±0.01	0.6±0.1	1.3±0.1
Carlton 100's 100FMHP .....	0.10±0.01	0.7±0.1	0.9±0.1
Carlton 100's 100FHP .....	0.11±0.01	0.8±0.1	1.1±0.1
Now KFSP .....	0.13±0.01	1.0±0.1	2.0±0.1
Now KFMSF .....	0.13±0.01	1.1±0.1	2.2±0.1
Carlton KFSP .....	0.13±0.01	1.1±0.1	2.0±0.1
Now 100s 100FSP .....	0.23±0.01	2.1±0.1	3.4±0.2
Now 100s 100FMSP .....	0.27±0.01	2.7±0.1	4.5±0.2
Kool Ultra KFMSF .....	0.28±0.03	3.0±0.3	3.7±0.4
Carlton 100's 100FSP .....	0.33±0.01	3.3±0.1	4.4±0.2
Triumph KFSP .....	0.37±0.02	3.6±0.1	4.3±0.2
Triumph KFMSF .....	0.37±0.02	3.5±0.2	4.3±0.3
Kent III KFSP .....	0.39±0.02	3.7±0.2	4.4±0.3
Merit Ultra Lights KFMSF .....	0.41±0.01	4.7±0.1	5.8±0.2
Carlton 100's 100FMSP .....	0.42±0.01	4.4±0.2	6.3±0.3
Tareyton Lights KFSP .....	0.42±0.02	5.1±0.2	5.7±0.3
Salem Ultra Lights KFMSF .....	0.42±0.01	5.1±0.1	7.7±0.2
Salem Ultra Lights 100's 100FMSP .....	0.43±0.02	4.7±0.1	7.4±0.2
Winston Ultra Lights KFSP .....	0.43±0.01	5.1±0.1	7.8±0.2
Vantage Ultra Lights KFSP .....	0.44±0.01	5.3±0.2	7.7±0.4
Winston Ultra Lights 100's 100FSP .....	0.45±0.01	5.1±0.1	8.6±0.2
True KFMSF .....	0.46±0.03	4.7±0.3	5.8±0.3
Doral Ultra Lights 100's 100FSP .....	0.46±0.02	6.8±0.2	11.7±0.4
Merit Ultra Lights KFSP .....	0.46±0.02	5.2±0.2	6.7±0.3
True KFSP .....	0.47±0.02	4.8±0.2	5.8±0.2
Vantage Ultra Lights 100s 100FSP .....	0.47±0.02	5.6±0.1	9.2±0.3
Kent III 100s 100FHP .....	0.48±0.02	4.9±0.2	6.3±0.3
Kool Ultra 100's 100FMSP .....	0.49±0.01	5.5±0.1	6.1±0.3
Bright 100s 100FMSP .....	0.49±0.02	6.7±0.1	10.7±0.2
Merit Ultra Lights 100's 100FMSP .....	0.49±0.01	5.4±0.1	7.4±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP .....	0.49±0.02	5.4±0.2	6.2±0.4
Virginia Slims Ultra Lights 100FHP .....	0.49±0.01	5.9±0.1	6.8±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FHP .....	0.49±0.02	5.8±0.3	7.1±0.4
Triumph 100s 100FSP .....	0.50±0.01	5.1±0.2	6.7±0.2
Merit Ultra Lights 100's 100FSP .....	0.50±0.01	5.6±0.1	7.5±0.2
Kent III 100s 100FSP .....	0.52±0.02	5.3±0.3	7.1±0.4
Virginia Slims Ultra Lights 100FMHP .....	0.52±0.01	6.3±0.1	7.3±0.2
Triumph 100s 100FMSP .....	0.55±0.02	5.7±0.2	7.5±0.4
Carlton 120's 120FSP .....	0.57±0.01	5.9±0.2	5.0±0.2
Merit KFMSF .....	0.59±0.01	7.8±0.2	9.7±0.2
Carlton 120's 120FMSP .....	0.60±0.02	6.1±0.2	5.1±0.2
Vantage Menthol 100s 100FMSP .....	0.61±0.02	8.4±0.1	12.5±0.3
Camel Lights KFHP .....	0.61±0.01	9.6±0.2	11.7±0.2
Camel Lights KFSP .....	0.61±0.01	8.9±0.2	12.5±0.3
Magna Lites KFSP .....	0.62±0.01	9.0±0.1	13.2±0.2

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Vantage 100s 100FSP	0.62±0.01	8.8±0.1	12.3±0.2
Merit KFSP	0.62±0.01	8.2±0.2	10.0±0.3
Doral Menthol Filter Lights KFMSF	0.62±0.02	11.7±0.2	14.1±0.3
Merit KFHP	0.63±0.01	8.2±0.2	10.1±0.3
Winston Lights KFHP	0.63±0.01	10.0±0.2	11.9±0.3
Lucky Strike Lights KFSP	0.65±0.01	8.1±0.2	9.9±0.3
Doral Filter Lights KFSP	0.66±0.02	12.3±0.3	15.0±0.4
Belair 100's 100FMSP	0.66±0.02	8.6±0.3	9.2±0.4
More Lights 100s 100FMHP	0.66±0.01	8.9±0.2	9.8±0.4
True 100's 100FSP	0.67±0.03	7.1±0.3	7.4±0.4
Winston Lights 100's 100FHP	0.67±0.01	9.6±0.2	11.1±0.3
True 100's 100FMSP	0.68±0.03	7.2±0.4	7.5±0.4
Century 25's Lights (25) KFSP	0.68±0.01	9.7±0.2	11.9±0.2
Virginia Slims Lights 100FMHP	0.68±0.02	8.6±0.2	9.2±0.2
Parliament Lights KFHP	0.68±0.01	9.1±0.2	9.7±0.2
Virginia Slims Lights 100FHP	0.68±0.02	8.8±0.2	9.5±0.3
Falcon Lights 100's 100FMSP	0.68±0.02	8.5±0.2	10.5±0.3
Vantage KFMSF	0.69±0.02	10.3±0.3	12.8±0.4
Parliament Lights KFSP	0.70±0.02	9.3±0.3	10.4±0.4
Kool Lights KFMSF	0.70±0.02	8.5±0.3	9.2±0.3
Salem Lights KFMSF	0.70±0.02	9.7±0.3	12.5±0.3
Fiesta KFSP	0.71±0.01	16.1±0.2	18.4±0.3
Tareyton Long Lights 100FSP	0.71±0.02	8.6±0.2	9.2±0.3
Capri 100FMHP	0.71±0.01	8.8±0.2	5.9±0.2
Vantage KFSP	0.72±0.02	10.6±0.3	13.6±0.4
Players Lights 25's KFMSF	0.72±0.02	10.1±0.3	11.0±0.3
Salem Slim Lights 100's 100FMHP	0.72±0.02	9.1±0.2	9.8±0.2
Players Lights 25's KFSP	0.72±0.01	10.2±0.2	11.2±0.3
Doral Menthol Lights 100's 100FMSP	0.72±0.02	12.1±0.2	13.7±0.3
Doral 100's Filter Lights 100FSP	0.72±0.02	12.0±0.2	13.7±0.3
Salem Lights 100's 100FMSP	0.73±0.02	9.3±0.2	11.4±0.3
Kent Golden Lights KFMSF	0.73±0.02	8.0±0.2	8.8±0.4
Kool Lights 100's 100FMSP	0.73±0.03	8.7±0.5	9.8±0.5
More Lights 100s 100FHP	0.74±0.02	9.5±0.3	9.8±0.3
Malibu Light's 100's 100FSP	0.75±0.02	8.7±0.2	10.0±0.3
Lucky Strike Lights 100's 100FSP	0.75±0.02	9.2±0.2	10.3±0.3
Winston Lights KFSP	0.75±0.01	10.9±0.2	13.5±0.4
Merit 100's 100FMSP	0.76±0.02	10.0±0.2	11.6±0.2
Capri 100FHP	0.76±0.02	8.8±0.2	6.2±0.2
Falcon Lights KFSP	0.77±0.02	11.1±0.2	10.9±0.2
Marlboro Lights KFHP	0.77±0.01	10.7±0.2	11.9±0.2
Falcon Lights KFMSF	0.78±0.02	10.5±0.3	12.1±0.4
Kim 25's 100FMHP	0.78±0.02	9.3±0.2	9.9±0.2
Camel Lights 100's 100FSP	0.78±0.01	11.2±0.3	14.5±0.3
Merit 100's 100FSP	0.78±0.02	9.9±0.2	11.8±0.3
Benson & Hedges Lights 100's 100FMSP	0.78±0.02	10.6±0.2	12.2±0.3
Marlboro Lights 100's 100FMSP	0.78±0.02	10.0±0.2	11.7±0.2

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Nicotine" Test Results**

<b>Brand</b>	<b>"Nicotine" mg/cig</b>	<b>"Tar" mg/cig</b>	<b>CO mg/cig</b>
L & M Long Lights 100FSP.....	0.79±0.02	7.6±0.2	6.2±0.2
Dunhill International Superior Mild 100FHP.....	0.79±0.01	9.3±0.2	10.8±0.3
Kent Golden Lights KFSP.....	0.79±0.02	8.7±0.3	9.4±0.5
Richland Lights (25) KFSP.....	0.79±0.02	10.8±0.2	12.5±0.2
Winston Lights 100's 100FSP.....	0.79±0.01	11.2±0.2	13.0±0.3
Marlboro Lights 25's KFSP.....	0.79±0.02	11.3±0.2	12.2±0.3
Marlboro Lights KFMSP.....	0.79±0.02	11.0±0.2	12.1±0.3
Marlboro Lights KFSP.....	0.80±0.01	11.2±0.2	12.1±0.4
Doral Full Flavor KFHP.....	0.80±0.02	15.2±0.3	18.1±0.5
Ritz 100 100FMHP.....	0.80±0.02	11.5±0.2	11.7±0.2
Benson & Hedges Lights 100's 100FSP.....	0.81±0.02	10.5±0.2	12.8±0.3
Doral Full Flavor 100's 100FSP.....	0.81±0.02	14.2±0.2	16.6±0.3
Cambridge Lights KFMSP.....	0.81±0.03	11.9±0.3	12.5±0.3
Players KFMHP.....	0.81±0.01	11.9±0.2	12.2±0.2
Players KFHP.....	0.81±0.01	11.6±0.2	12.1±0.4
Salem Lights 100's 100FMHP.....	0.82±0.02	10.8±0.2	11.7±0.2
Marlboro Lights 100's 100FHP.....	0.82±0.01	10.9±0.2	12.9±0.4
Belair KFMSP.....	0.82±0.02	10.4±0.2	9.8±0.2
Players 25's Lights 100's 100FMSP.....	0.82±0.01	11.4±0.2	13.4±0.2
Newport Lights KFMSP.....	0.82±0.02	9.0±0.2	9.9±0.3
Pall Mall Light 100's 100FSP.....	0.83±0.02	10.4±0.2	12.0±0.4
Ritz 100 100FHP.....	0.83±0.02	11.7±0.2	13.0±0.2
Marlboro Lights 100's 100FSP.....	0.83±0.02	11.2±0.2	13.2±0.3
Century 25's Menthol Lights 100's.....	0.84±0.02	11.9±0.3	13.6±0.3
Newport Lights KFMHP.....	0.84±0.02	9.2±0.2	10.1±0.3
Cambridge Lights KFSP.....	0.84±0.02	12.2±0.2	12.5±0.3
Kent Golden Lights KFHP.....	0.84±0.02	9.6±0.3	10.5±0.4
Century 25's Lights 100's 100FSP.....	0.85±0.01	11.8±0.2	13.7±0.4
Players 25's Lights 100's 100FSP.....	0.85±0.01	11.8±0.2	13.8±0.3
Kent Golden Lights 100s 100FMSP.....	0.86±0.02	9.2±0.3	9.8±0.4
Cambridge Lights 100's 100FMSP.....	0.86±0.01	11.8±0.2	14.0±0.3
Kool Milds KFMHP.....	0.86±0.02	11.5±0.3	11.1±0.3
Raleigh Lights 100's 100FSP.....	0.86±0.02	11.2±0.3	13.3±0.4
Raleigh Lights KFSP.....	0.86±0.01	11.6±0.2	13.5±0.3
Viceroy Lights KFSP.....	0.86±0.02	11.5±0.3	13.4±0.4
Silva Thins Filters 100FHP.....	0.87±0.02	10.3±0.2	11.1±0.2
Old Gold Lights KFSP.....	0.87±0.02	9.7±0.2	11.2±0.3
Cambridge Lights 100's 100FSP.....	0.87±0.02	11.9±0.2	14.4±0.2
Newport Lights 100's 100FMSP.....	0.87±0.02	9.4±0.2	9.9±0.3
Benson & Hedges Multifilter KFSP.....	0.87±0.02	12.1±0.2	11.6±0.3
Kim 25's 100FHP.....	0.87±0.01	10.9±0.3	11.6±0.4
Kent KFHP.....	0.87±0.02	11.5±0.3	12.8±0.4
Lucky Strike KFSP.....	0.87±0.02	11.7±0.2	12.4±0.4
Falcon Lights 100's 100FSP.....	0.87±0.02	12.6±0.2	15.2±0.4
Lucky Strike KFHP.....	0.88±0.02	11.7±0.2	12.6±0.3
More Lights 120s 120FSP.....	0.89±0.02	12.0±0.3	19.1±0.4
Magna KFHP.....	0.89±0.02	14.1±0.4	15.9±0.5

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Kent Golden Lights 100s 100FHP	0.91±0.02	9.9±0.3	10.6±0.5
Viceroy Lights 100's 100FSP	0.91±0.02	11.8±0.2	14.0±0.4
More Lights 120s 120FMSP	0.91±0.02	11.8±0.2	19.2±0.5
Doral Full Flavor KFSP	0.91±0.01	17.8±0.2	19.5±0.4
Kool Milds KFMSF	0.92±0.02	11.9±0.3	12.6±0.3
Richland Lights (25) 100's 100FSP	0.92±0.02	12.4±0.2	14.4±0.4
Kool Milds 100's 100FMSP	0.92±0.02	11.5±0.2	12.2±0.2
Lucky Strike Menthol 100's 100FMSP	0.92±0.02	11.6±0.3	12.3±0.3
Kent KFSP	0.93±0.03	12.3±0.4	13.4±0.4
Magna KFSP	0.93±0.02	14.2±0.3	14.9±0.3
Eli Cutter Lights KFSP	0.93±0.02	12.1±0.3	13.4±0.3
Kent Golden Lights 100s 100FSP	0.94±0.03	10.3±0.4	11.2±0.4
Malibu Menthol 100's 100FMSP	0.94±0.02	11.5±0.2	11.7±0.4
Silva Thins 100FSP	0.94±0.02	11.6±0.2	10.2±0.3
Century 25's (25) KFSP	0.95±0.02	14.8±0.3	17.0±0.4
Tareyton KFSP	0.95±0.02	13.8±0.3	15.3±0.3
Parliament Lights 100's 100FSP	0.95±0.02	12.4±0.2	13.1±0.4
Lucky Strike Filters 100's 100FSP	0.96±0.02	12.0±0.2	12.5±0.3
Malibu 100's 100FSP	0.96±0.04	12.0±0.5	12.9±0.5
Raleigh KFSP	0.96±0.02	15.0±0.4	14.5±0.3
Viceroy KFSP	0.96±0.02	15.1±0.3	14.7±0.3
Silva Thins Menthol 100FMHP	0.97±0.02	11.3±0.2	11.4±0.3
Newport Lights 100's 100FMHP	0.97±0.03	10.2±0.3	10.8±0.4
Tareyton 100's 100FSP	0.97±0.02	13.5±0.3	16.2±0.4
Salem KFMSF	0.97±0.02	15.7±0.3	18.4±0.4
Satin 100FSP	0.97±0.02	11.0±0.3	12.7±0.3
Players 100's 100FHP	0.98±0.01	14.0±0.2	12.8±0.3
Raleigh 100's 100FSP	0.99±0.02	15.3±0.3	16.2±0.3
Players 100's 100FMHP	1.00±0.02	14.4±0.3	13.0±0.4
Camel Filters KFSP	1.00±0.02	15.4±0.2	15.3±0.3
Satin 100FMSP	1.00±0.02	11.3±0.3	13.2±0.4
Kent 100s 100FMSP	1.00±0.03	13.6±0.3	14.4±0.3
Hi-Lite 100FHP	1.01±0.02	13.8±0.2	14.5±0.4
Lark Lights KFSP	1.01±0.02	13.1±0.2	12.8±0.4
Silva Thins Menthol 100FMSP	1.01±0.02	12.1±0.2	10.4±0.3
Rothmans Special Mild KFHP	1.01±0.02	13.8±0.2	15.6±0.3
Pall Mall Red KFSP	1.02±0.02	13.8±0.3	12.9±0.3
Virginia Slims Lights 120's 120FHP	1.02±0.03	14.3±0.3	14.7±0.5
Old Gold Lights 100s 100FSP	1.02±0.02	13.0±0.2	16.7±0.3
Eve Slim Lights 100's 100FMHP	1.03±0.02	12.8±0.3	10.9±0.3
Camel Filters KFHP	1.03±0.01	16.5±0.2	16.3±0.3
Winston KFHP	1.03±0.01	16.4±0.2	16.4±0.3
L & M KFSP	1.04±0.02	13.4±0.2	12.9±0.2
Eve Slim Lights 100's 100FHP	1.04±0.02	12.8±0.2	11.1±0.2
Kent 100s 100FSP	1.04±0.02	13.4±0.2	13.8±0.3
Saratoga 120's 120FHP	1.04±0.02	14.4±0.3	14.5±0.4
St. Moritz Menthol Filter 100MSP	1.04±0.02	15.1±0.2	15.5±0.3

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Pall Mall Red 100FSP	1.04±0.02	13.6±0.3	14.0±0.3
Lark KFSP	1.05±0.02	13.3±0.1	12.2±0.3
Virginia Slims Lights 120's 120FMHP	1.05±0.02	14.6±0.5	14.5±0.5
Saratoga 120's 120FMHP	1.06±0.02	14.9±0.3	14.9±0.3
Virginia Slims 100FSP	1.06±0.01	15.4±0.2	14.1±0.2
Pall Mall Light 100's Low Tar 100FMSP	1.06±0.02	13.3±0.2	12.9±0.3
Winston 100's 100FSP	1.07±0.02	17.2±0.3	17.5±0.3
Virginia Slims 100FMSP	1.07±0.02	15.4±0.3	13.5±0.4
Eve Lights 120's 120FHP	1.07±0.03	12.3±0.3	10.7±0.4
Camel Filters 100FSP	1.07±0.03	17.4±0.4	18.1±0.5
Marlboro 25's KFSP	1.07±0.02	16.9±0.4	15.6±0.4
Cambridge Full Flavor KFSP	1.08±0.02	17.0±0.3	16.1±0.3
L & M 30's Lights 100's 100FSP	1.08±0.02	12.8±0.2	10.7±0.3
Marlboro KFHP	1.08±0.02	16.3±0.3	14.9±0.4
Alpine KFMSP	1.08±0.02	17.0±0.4	15.7±0.4
L & M KFHP	1.09±0.02	13.9±0.3	13.3±0.3
Winston KFSP	1.09±0.02	16.8±0.3	15.9±0.2
Richland (25) KFMSP	1.09±0.02	16.4±0.3	16.1±0.3
Kool KFMHP	1.09±0.02	15.6±0.3	15.8±0.3
L & M Super 100 100FSP	1.09±0.03	13.8±0.2	13.9±0.3
Marlboro KFMSP	1.09±0.01	16.8±0.2	15.6±0.3
Lark Light 100's 100FSP	1.09±0.02	13.8±0.3	14.1±0.4
Eli Cutter KFSP	1.10±0.03	16.1±0.2	15.4±0.2
St. Moritz Filter 100s 100FSP	1.10±0.02	14.8±0.3	14.8±0.3
Century 25's 100's 100FSP	1.10±0.03	17.0±0.4	20.7±0.5
Pall Mall Unfiltered Lights KNFSP	1.10±0.04	16.2±0.9	12.0±1.0
Marlboro KFSP	1.11±0.02	16.8±0.2	15.8±0.3
Eve Lights 120's 120FMHP	1.11±0.03	12.5±0.4	10.8±0.4
Craven "A" RFHP	1.11±0.03	16.0±0.4	12.8±0.3
Salem 100's 100FMSP	1.13±0.02	16.6±0.2	17.9±0.4
Craven "A" KFHP	1.13±0.02	15.5±0.3	15.7±0.3
Benson & Hedges 100's 100FMHP	1.13±0.02	16.3±0.3	15.1±0.4
Philip Morris International 100FMHP	1.13±0.02	16.8±0.3	15.5±0.4
Viceroy Super Long 100's 100FSP	1.14±0.02	15.8±0.4	15.1±0.4
More 120s 120FSP	1.15±0.02	16.6±0.3	21.1±0.5
Cambridge Full Flavor 100's 100FSP	1.15±0.02	17.2±0.3	15.9±0.4
Philip Morris Blues 100FMSP	1.15±0.02	15.5±0.2	15.6±0.4
Benson & Hedges 100's 100FHP	1.16±0.02	16.8±0.2	16.1±0.4
Benson & Hedges 100's 100FMSP	1.16±0.02	16.4±0.2	16.1±0.4
Marlboro 100's 100FHP	1.16±0.02	16.6±0.3	16.5±0.5
Richland (25) KFSP	1.16±0.03	16.6±0.3	15.7±0.3
Marlboro 100's 100FSP	1.17±0.02	16.9±0.3	16.6±0.5
Philip Morris Blues KFMSP	1.18±0.02	16.9±0.3	16.0±0.3
Benson & Hedges KFHP	1.18±0.02	15.1±0.4	11.5±0.3
Marlboro 100 Red 100FSP	1.18±0.02	16.7±0.3	16.0±0.3
Richland (25) 100's 100FMSP	1.18±0.03	16.2±0.2	16.6±0.3
Kool KFMSP	1.18±0.03	16.9±0.4	16.5±0.4

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Nicotine" Test Results**

Brand	"Nicotine" mg/cig	"Tar" mg/cig	CO mg/cig
Marlboro 100 Red 100FHP .....	1.19±0.02	16.8±0.2	17.0±0.3
Benson & Hedges 100's 100FSP .....	1.19±0.02	17.0±0.3	17.2±0.4
Philip Morris International 100FHP .....	1.20±0.01	17.8±0.2	16.7±0.4
Lark 100FSP .....	1.20±0.03	14.8±0.3	14.5±0.4
Kool Super Longs 100's 100FMSP .....	1.23±0.03	16.2±0.2	16.3±0.3
Dunhill Menthol 100FMHP .....	1.23±0.02	14.5±0.2	17.1±0.3
Pall Mall 100's 100FSP .....	1.24±0.02	16.7±0.4	16.8±0.5
More 120s 120FMSP .....	1.25±0.03	16.9±0.5	21.3±0.7
Rothmans KFHP .....	1.27±0.03	18.6±0.3	20.4±0.3
Newport KFMHP .....	1.28±0.02	16.6±0.3	16.9±0.4
Newport (25) KFMSP .....	1.29±0.03	16.8±0.3	17.0±0.4
Chesterfield RNFSP .....	1.30±0.03	20.5±0.5	13.2±0.3
Richland (25) 100's 100FSP .....	1.31±0.02	17.7±0.3	17.2±0.4
Newport KFMSP .....	1.33±0.02	17.3±0.2	17.7±0.3
Old Gold Filters KFSP .....	1.34±0.03	17.5±0.4	18.2±0.4
Philip Morris RNFSP .....	1.34±0.02	22.7±0.4	13.3±0.3
Kool RNFMSF .....	1.34±0.05	21.5±0.8	14.3±0.4
Camel RNFSP .....	1.36±0.03	21.9±0.5	14.4±0.3
Dunhill International 100FHP .....	1.38±0.03	14.8±0.2	17.3±0.4
Raleigh KNFSP .....	1.38±0.03	24.0±0.4	17.0±0.4
Max 120s 120FSP .....	1.45±0.03	17.7±0.3	16.7±0.5
Lucky Strike RNFSP .....	1.50±0.02	24.3±0.4	17.0±0.4
Max 120s 120FMSP .....	1.51±0.02	18.2±0.4	16.8±0.5
Old Gold Filter 100's 100FSP .....	1.52±0.03	19.7±0.3	19.5±0.4
Newport 100's 100FMSP .....	1.53±0.03	19.4±0.3	18.9±0.4
Newport 100's 100FMHP .....	1.53±0.03	19.3±0.3	19.0±0.3
Pall Mall 25's KNFSP .....	1.54±0.03	23.6±0.5	16.2±0.4
Pall Mall KNFSP .....	1.54±0.02	23.7±0.4	16.1±0.3
Tall 120s 120FMSP .....	1.54±0.03	17.8±0.4	17.6±0.6
Newport 100's (25) 100FMSP .....	1.55±0.03	19.6±0.3	19.0±0.4
Spring 100's 100FMSP .....	1.56±0.02	19.4±0.2	18.5±0.3
Herbert Tareyton KNFSP .....	1.57±0.03	25.0±0.5	17.8±0.3
Tall 120s 120FSP .....	1.64±0.04	19.9±0.4	20.7±0.6
Philip Morris Commander KNFSP .....	1.65±0.03	27.2±0.5	16.3±0.4
Players RNFHP .....	1.66±0.04	25.2±0.5	16.0±0.3
Chesterfield KNFSP .....	1.69±0.04	24.7±0.5	15.7±0.3
English Ovals KNFHP .....	1.84±0.05	24.2±0.6	15.3±0.4
Old Gold Straights KNFSP .....	1.91±0.03	26.9±0.4	18.8±0.3



**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Carlton KFHP .....	< 0.5	< 0.05	< 0.5
Now KFHP .....	< 0.5	< 0.05	< 0.5
Carlton KFMSP .....	0.6±0.1	0.09±0.01	1.3±0.1
Carlton 100's 100FMHP .....	0.7±0.1	0.10±0.01	0.9±0.1
Carlton 100's 100FHP .....	0.8±0.1	0.11±0.01	1.1±0.1
Now KFSP .....	1.0±0.1	0.13±0.01	2.0±0.1
Carlton KFSP .....	1.1±0.1	0.13±0.01	2.0±0.1
Now KFMSP .....	1.1±0.1	0.13±0.01	2.2±0.1
Now 100s 100FSP .....	2.1±0.1	0.23±0.01	3.4±0.2
Now 100s 100FMSP .....	2.7±0.1	0.27±0.01	4.5±0.2
Kool Ultra KFMSP .....	3.0±0.3	0.28±0.03	3.7±0.4
Carlton 100's 100FSP .....	3.3±0.1	0.33±0.01	4.4±0.2
Triumph KFMSP .....	3.5±0.2	0.37±0.02	4.3±0.3
Triumph KFSP .....	3.6±0.1	0.37±0.02	4.3±0.2
Kent III KFSP .....	3.7±0.2	0.39±0.02	4.4±0.3
Carlton 100's 100FMSP .....	4.4±0.2	0.42±0.01	6.3±0.3
Merit Ultra Lights KFMSP .....	4.7±0.1	0.41±0.01	5.8±0.2
True KFMSP .....	4.7±0.3	0.46±0.03	5.8±0.3
Salem Ultra Lights 100's 100FMSP .....	4.7±0.1	0.43±0.02	7.4±0.2
True KFSP .....	4.8±0.2	0.47±0.02	5.8±0.2
Kent III 100s 100FHP .....	4.9±0.2	0.48±0.02	6.3±0.3
Triumph 100s 100FSP .....	5.1±0.2	0.50±0.01	6.7±0.2
Winston Ultra Lights KFSP .....	5.1±0.1	0.43±0.01	7.8±0.2
Winston Ultra Lights 100's 100FSP .....	5.1±0.1	0.45±0.01	8.6±0.2
Salem Ultra Lights KFMSP .....	5.1±0.1	0.42±0.01	7.7±0.2
Tareyton Lights KFSP .....	5.1±0.2	0.42±0.02	5.7±0.3
Merit Ultra Lights KFSP .....	5.2±0.2	0.46±0.02	6.7±0.3
Vantage Ultra Lights KFSP .....	5.3±0.2	0.44±0.01	7.7±0.4
Kent III 100s 100FSP .....	5.3±0.3	0.52±0.02	7.1±0.4
Merit Ultra Lights 100's 100FMSP .....	5.4±0.1	0.49±0.01	7.4±0.2
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP ....	5.4±0.2	0.49±0.02	6.2±0.4
Kool Ultra 100's 100FMSP .....	5.5±0.1	0.49±0.01	6.1±0.3
Vantage Ultra Lights 100s 100FSP .....	5.6±0.1	0.47±0.02	9.2±0.3
Merit Ultra Lights 100's 100FSP .....	5.6±0.1	0.50±0.01	7.5±0.2
Triumph 100s 100FMSP .....	5.7±0.2	0.55±0.02	7.5±0.4
Benson & Hedges Deluxe Ultra Lights 100's 100FHP .....	5.8±0.3	0.49±0.02	7.1±0.4
Virginia Slims Ultra Lights 100FHP .....	5.9±0.1	0.49±0.01	6.8±0.2
Carlton 120's 120FSP .....	5.9±0.2	0.57±0.01	5.0±0.2
Carlton 120's 120FMSP .....	6.1±0.2	0.60±0.02	5.1±0.2
Virginia Slims Ultra Lights 100FMHP .....	6.3±0.1	0.52±0.01	7.3±0.2
Bright 100s 100FMSP .....	6.7±0.1	0.49±0.02	10.7±0.2
Doral Ultra Lights 100's 100FSP .....	6.8±0.2	0.46±0.02	11.7±0.4
True 100's 100FSP .....	7.1±0.3	0.67±0.03	7.4±0.4
True 100's 100FMSP .....	7.2±0.4	0.68±0.03	7.5±0.4
L & M Long Lights 100FSP .....	7.6±0.2	0.79±0.02	6.2±0.2
Merit KFMSP .....	7.8±0.2	0.59±0.01	9.7±0.2
Kent Golden Lights KFMSP .....	8.0±0.2	0.73±0.02	8.8±0.4

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**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Tar" Test Results**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Lucky Strike Lights KFSP	8.1±0.2	0.65±0.01	9.9±0.3
Merit KFHP	8.2±0.2	0.63±0.01	10.1±0.3
Merit KFSP	8.2±0.2	0.62±0.01	10.0±0.3
Vantage Menthol 100s 100FMSP	8.4±0.1	0.61±0.02	12.5±0.3
Kool Lights KFMSP	8.5±0.3	0.70±0.02	9.2±0.3
Falcon Lights 100's 100FMSP	8.5±0.2	0.68±0.02	10.5±0.3
Virginia Slims Lights 100FMHP	8.6±0.2	0.68±0.02	9.2±0.2
Belair 100's 100FMSP	8.6±0.3	0.66±0.02	9.2±0.4
Tareyton Long Lights 100FSP	8.6±0.2	0.71±0.02	9.2±0.3
Kool Lights 100's 100FMSP	8.7±0.5	0.73±0.03	9.8±0.5
Kent Golden Lights KFSP	8.7±0.3	0.79±0.02	9.4±0.5
Malibu Light's 100's 100FSP	8.7±0.2	0.75±0.02	10.0±0.3
Capri 100FMHP	8.8±0.2	0.71±0.01	5.9±0.2
Capri 100FHP	8.8±0.2	0.76±0.02	6.2±0.2
Vantage 100s 100FSP	8.8±0.1	0.62±0.01	12.3±0.2
Virginia Slims Lights 100FHP	8.8±0.2	0.68±0.02	9.5±0.3
More Lights 100s 100FMHP	8.9±0.2	0.66±0.01	9.8±0.4
Camel Lights KFSP	8.9±0.2	0.61±0.01	12.5±0.3
Magna Lites KFSP	9.0±0.1	0.62±0.01	13.2±0.2
Newport Lights KFMSP	9.0±0.2	0.82±0.02	9.9±0.3
Salem Slim Lights 100's 100FMHP	9.1±0.2	0.72±0.02	9.8±0.2
Parliament Lights KFHP	9.1±0.2	0.68±0.01	9.7±0.2
Lucky Strike Lights 100's 100FSP	9.2±0.2	0.75±0.02	10.3±0.3
Newport Lights KFMHP	9.2±0.2	0.84±0.02	10.1±0.3
Kent Golden Lights 100s 100FMSP	9.2±0.3	0.86±0.02	9.8±0.4
Salem Lights 100's 100FMSP	9.3±0.2	0.73±0.02	11.4±0.3
Dunhill International Superior Mild 100FHP	9.3±0.2	0.79±0.01	10.8±0.3
Kim 25's 100FMHP	9.3±0.2	0.78±0.02	9.9±0.2
Parliament Lights KFSP	9.3±0.3	0.70±0.02	10.4±0.4
Newport Lights 100's 100FMSP	9.4±0.2	0.87±0.02	9.9±0.3
More Lights 100s 100FHP	9.5±0.3	0.74±0.02	9.8±0.3
Winston Lights 100's 100FHP	9.6±0.2	0.67±0.01	11.1±0.3
Kent Golden Lights KFHP	9.6±0.3	0.84±0.02	10.5±0.4
Camel Lights KFHP	9.6±0.2	0.61±0.01	11.7±0.2
Old Gold Lights KFSP	9.7±0.2	0.87±0.02	11.2±0.3
Salem Lights KFMSP	9.7±0.3	0.70±0.02	12.5±0.3
Century 25's Lights (25) KFSP	9.7±0.2	0.68±0.01	11.9±0.2
Merit 100's 100FSP	9.9±0.2	0.78±0.02	11.8±0.3
Kent Golden Lights 100s 100FHP	9.9±0.3	0.91±0.02	10.6±0.5
Merit 100's 100FMSP	10.0±0.2	0.76±0.02	11.6±0.2
Winston Lights KFHP	10.0±0.2	0.63±0.01	11.9±0.3
Marlboro Lights 100's 100FMSP	10.0±0.2	0.78±0.02	11.7±0.2
Players Lights 25's KFMSP	10.1±0.3	0.72±0.02	11.0±0.3
Players Lights 25's KFSP	10.2±0.2	0.72±0.01	11.2±0.3
Newport Lights 100's 100FMHP	10.2±0.3	0.97±0.03	10.8±0.4
Vantage KFMSP	10.3±0.3	0.69±0.02	12.8±0.4
Silva Thins Filters 100FHP	10.3±0.2	0.87±0.02	11.1±0.2

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Kent Golden Lights 100s 100FSP	10.3±0.4	0.94±0.03	11.2±0.4
Belair KFMSF	10.4±0.2	0.82±0.02	9.8±0.2
Pall Mall Light 100's 100FSP	10.4±0.2	0.83±0.02	12.0±0.4
Benson & Hedges Lights 100's 100FSP	10.5±0.2	0.81±0.02	12.8±0.3
Falcon Lights KFMSF	10.5±0.3	0.78±0.02	12.1±0.4
Vantage KFSP	10.6±0.3	0.72±0.02	13.6±0.4
Benson & Hedges Lights 100's 100FMSP	10.6±0.2	0.78±0.02	12.2±0.3
Marlboro Lights KFHP	10.7±0.2	0.77±0.01	11.9±0.2
Richland Lights (25) KFSP	10.8±0.2	0.79±0.02	12.5±0.2
Salem Lights 100's 100FMHP	10.8±0.2	0.82±0.02	11.7±0.2
Winston Lights KFSP	10.9±0.2	0.75±0.01	13.5±0.4
Marlboro Lights 100's 100FHP	10.9±0.2	0.82±0.01	12.9±0.4
Kim 25's 100FHP	10.9±0.3	0.87±0.01	11.6±0.4
Marlboro Lights KFMSF	11.0±0.2	0.79±0.02	12.1±0.3
Satin 100FSP	11.0±0.3	0.97±0.02	12.7±0.3
Falcon Lights KFSP	11.1±0.2	0.77±0.02	10.9±0.2
Raleigh Lights 100's 100FSP	11.2±0.3	0.86±0.02	13.3±0.4
Marlboro Lights KFSP	11.2±0.2	0.80±0.01	12.1±0.4
Marlboro Lights 100's 100FSP	11.2±0.2	0.83±0.02	13.2±0.3
Camel Lights 100's 100FSP	11.2±0.3	0.78±0.01	14.5±0.3
Winston Lights 100's 100FSP	11.2±0.2	0.79±0.01	13.0±0.3
Marlboro Lights 25's KFSP	11.3±0.2	0.79±0.02	12.2±0.3
Silva Thins Menthol 100FMHP	11.3±0.2	0.97±0.02	11.4±0.3
Satin 100FMSP	11.3±0.3	1.00±0.02	13.2±0.4
Players 25's Lights 100's 100FMSP	11.4±0.2	0.82±0.01	13.4±0.2
Ritz 100 100FMHP	11.5±0.2	0.80±0.02	11.7±0.2
Kool Milds KFMSF	11.5±0.3	0.86±0.02	11.1±0.3
Viceroy Lights KFSP	11.5±0.3	0.86±0.02	13.4±0.4
Malibu Menthol 100's 100FMSP	11.5±0.2	0.94±0.02	11.7±0.4
Kent KFHP	11.5±0.3	0.87±0.02	12.8±0.4
Kool Milds 100's 100FMSP	11.5±0.2	0.92±0.02	12.2±0.2
Raleigh Lights KFSP	11.6±0.2	0.86±0.01	13.5±0.3
Silva Thins 100FSP	11.6±0.2	0.94±0.02	10.2±0.3
Players KFHP	11.6±0.2	0.81±0.01	12.1±0.4
Lucky Strike Menthol 100's 100FMSP	11.6±0.3	0.92±0.02	12.3±0.3
Lucky Strike KFSP	11.7±0.2	0.87±0.02	12.4±0.4
Doral Menthol Filter Lights KFMSF	11.7±0.2	0.62±0.02	14.1±0.3
Lucky Strike KFHP	11.7±0.2	0.88±0.02	12.6±0.3
Ritz 100 100FHP	11.7±0.2	0.83±0.02	13.0±0.2
Players 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.8±0.3
Cambridge Lights 100's 100FMSP	11.8±0.2	0.86±0.01	14.0±0.3
Viceroy Lights 100's 100FSP	11.8±0.2	0.91±0.02	14.0±0.4
More Lights 120s 120FMSP	11.8±0.2	0.91±0.02	19.2±0.5
Century 25's Lights 100's 100FSP	11.8±0.2	0.85±0.01	13.7±0.4
Players KFMSF	11.9±0.2	0.81±0.01	12.2±0.2
Cambridge Lights 100's 100FSP	11.9±0.2	0.87±0.02	14.4±0.2
Cambridge Lights KFMSF	11.9±0.3	0.81±0.03	12.5±0.3

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Century 25's Menthol Lights 100's	11.9±0.3	0.84±0.02	13.6±0.3
Kool Milds KFMSF	11.9±0.3	0.92±0.02	12.6±0.3
Lucky Strike Filters 100's 100FSP	12.0±0.2	0.96±0.02	12.5±0.3
More Lights 120s 120FSP	12.0±0.3	0.89±0.02	19.1±0.4
Doral 100's Filter Lights 100FSP	12.0±0.2	0.72±0.02	13.7±0.3
Malibu 100's 100FSP	12.0±0.5	0.96±0.04	12.9±0.5
Doral Menthol Lights 100's 100FMSP	12.1±0.2	0.72±0.02	13.7±0.3
Silva Thins Menthol 100FMSP	12.1±0.2	1.01±0.02	10.4±0.3
Benson & Hedges Multifilter KFSP	12.1±0.2	0.87±0.02	11.6±0.3
Eli Cutter Lights KFSP	12.1±0.3	0.93±0.02	13.4±0.3
Cambridge Lights KFSP	12.2±0.2	0.84±0.02	12.5±0.3
Eve Lights 120's 120FHP	12.3±0.3	1.07±0.03	10.7±0.4
Doral Filter Lights KFSP	12.3±0.3	0.66±0.02	15.0±0.4
Kent KFSP	12.3±0.4	0.93±0.03	13.4±0.4
Richland Lights (25) 100's 100FSP	12.4±0.2	0.92±0.02	14.4±0.4
Parliament Lights 100's 100FSP	12.4±0.2	0.95±0.02	13.1±0.4
Eve Lights 120's 120FMHP	12.5±0.4	1.11±0.03	10.8±0.4
Falcon Lights 100's 100FSP	12.6±0.2	0.87±0.02	15.2±0.4
L & M 30's Lights 100's 100FSP	12.8±0.2	1.08±0.02	10.7±0.3
Eve Slim Lights 100's 100FHP	12.8±0.2	1.04±0.02	11.1±0.2
Eve Slim Lights 100's 100FMHP	12.8±0.3	1.03±0.02	10.9±0.3
Old Gold Lights 100s 100FSP	13.0±0.2	1.02±0.02	16.7±0.3
Lark Lights KFSP	13.1±0.2	1.01±0.02	12.8±0.4
Lark KFSP	13.3±0.1	1.05±0.02	12.2±0.3
Pall Mall Light 100's Low Tar 100FMSP	13.3±0.2	1.06±0.02	12.9±0.3
L & M KFSP	13.4±0.2	1.04±0.02	12.9±0.2
Kent 100s 100FSP	13.4±0.2	1.04±0.02	13.8±0.3
Tareyton 100's 100FSP	13.5±0.3	0.97±0.02	16.2±0.4
Pall Mall Red 100FSP	13.6±0.3	1.04±0.02	14.0±0.3
Kent 100s 100FMSP	13.6±0.3	1.00±0.03	14.4±0.3
Hi-Lite 100FHP	13.8±0.2	1.01±0.02	14.5±0.4
Pall Mall Red KFSP	13.8±0.3	1.02±0.02	12.9±0.3
L & M Super 100 100FSP	13.8±0.2	1.09±0.03	13.9±0.3
Lark Light 100's 100FSP	13.8±0.3	1.09±0.02	14.1±0.4
Rothmans Special Mild KFHP	13.8±0.2	1.01±0.02	15.6±0.3
Tareyton KFSP	13.8±0.3	0.95±0.02	15.3±0.3
L & M KFHP	13.9±0.3	1.09±0.02	13.3±0.3
Players 100's 100FHP	14.0±0.2	0.98±0.01	12.8±0.3
Magna KFHP	14.1±0.4	0.89±0.02	15.9±0.5
Magna KFSP	14.2±0.3	0.93±0.02	14.9±0.3
Doral Full Flavor 100's 100FSP	14.2±0.2	0.81±0.02	16.6±0.3
Virginia Slims Lights 120's 120FHP	14.3±0.3	1.02±0.03	14.7±0.5
Saratoga 120's 120FHP	14.4±0.3	1.04±0.02	14.5±0.4
Players 100's 100FMHP	14.4±0.3	1.00±0.02	13.0±0.4
Dunhill Menthol 100FMHP	14.5±0.2	1.23±0.02	17.1±0.3
Virginia Slims Lights 120's 120FMHP	14.6±0.5	1.05±0.02	14.5±0.5
Dunhill International 100FHP	14.8±0.2	1.38±0.03	17.3±0.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted "Tar" Test Results**

Brand	"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig
Century 25's (25) KFSP .....	14.8±0.3	0.95±0.02	17.0±0.4
St. Moritz Filter 100s 100FSP .....	14.8±0.3	1.10±0.02	14.8±0.3
Lark 100FSP .....	14.8±0.3	1.20±0.03	14.5±0.4
Saratoga 120's 120FMHP .....	14.9±0.3	1.06±0.02	14.9±0.3
Raleigh KFSP .....	15.0±0.4	0.96±0.02	14.5±0.3
Benson & Hedges KFHP .....	15.1±0.4	1.18±0.02	11.5±0.3
St. Moritz Menthol Filter 100MSP .....	15.1±0.2	1.04±0.02	15.5±0.3
Viceroy KFSP .....	15.1±0.3	0.96±0.02	14.7±0.3
Doral Full Flavor KFHP .....	15.2±0.3	0.80±0.02	18.1±0.5
Raleigh 100's 100FSP .....	15.3±0.3	0.99±0.02	16.2±0.3
Virginia Slims 100FSP .....	15.4±0.2	1.06±0.01	14.1±0.2
Virginia Slims 100FMSP .....	15.4±0.3	1.07±0.02	13.5±0.4
Camel Filters KFSP .....	15.4±0.2	1.00±0.02	15.3±0.3
Philip Morris Blues 100FMSP .....	15.5±0.2	1.15±0.02	15.6±0.4
Craven "A" KFHP .....	15.5±0.3	1.13±0.02	15.7±0.3
Kool KFMHP .....	15.6±0.3	1.09±0.02	15.8±0.3
Salem KFMSP .....	15.7±0.3	0.97±0.02	18.4±0.4
Viceroy Super Long 100's 100FSP .....	15.8±0.4	1.14±0.02	15.1±0.4
Craven "A" RFHP .....	16.0±0.4	1.11±0.03	12.8±0.3
Eli Cutter KFSP .....	16.1±0.2	1.10±0.03	15.4±0.2
Fiesta KFSP .....	16.1±0.2	0.71±0.01	18.4±0.3
Kool Super Longs 100's 100FMSP .....	16.2±0.2	1.23±0.03	16.3±0.3
Richland (25) 100's 100FMSP .....	16.2±0.2	1.18±0.03	16.6±0.3
Pall Mall Unfiltered Lights KNFSP .....	16.2±0.9	1.10±0.04	12.0±1.0
Benson & Hedges 100's 100FMHP .....	16.3±0.3	1.13±0.02	15.1±0.4
Marlboro KFHP .....	16.3±0.3	1.08±0.02	14.9±0.4
Benson & Hedges 100's 100FMSP .....	16.4±0.2	1.16±0.02	16.1±0.4
Richland (25) KFMSP .....	16.4±0.3	1.09±0.02	16.1±0.3
Winston KFHP .....	16.4±0.2	1.03±0.01	16.4±0.3
Camel Filters KFHP .....	16.5±0.2	1.03±0.01	16.3±0.3
Richland (25) KFSP .....	16.6±0.3	1.16±0.03	15.7±0.3
Newport KFMHP .....	16.6±0.3	1.28±0.02	16.9±0.4
Salem 100's 100FMSP .....	16.6±0.2	1.13±0.02	17.9±0.4
Marlboro 100's 100FHP .....	16.6±0.3	1.16±0.02	16.5±0.5
More 120s 120FSP .....	16.6±0.3	1.15±0.02	21.1±0.5
Marlboro 100 Red 100FSP .....	16.7±0.3	1.18±0.02	16.0±0.3
Pall Mall 100's 100FSP .....	16.7±0.4	1.24±0.02	16.8±0.5
Philip Morris International 100FMHP .....	16.8±0.3	1.13±0.02	15.5±0.4
Winston KFSP .....	16.8±0.3	1.09±0.02	15.9±0.2
Marlboro KFSP .....	16.8±0.2	1.11±0.02	15.8±0.3
Marlboro 100 Red 100FHP .....	16.8±0.2	1.19±0.02	17.0±0.3
Marlboro KFMSP .....	16.8±0.2	1.09±0.01	15.6±0.3
Newport (25) KFMSP .....	16.8±0.3	1.29±0.03	17.0±0.4
Benson & Hedges 100's 100FHP .....	16.8±0.2	1.16±0.02	16.1±0.4
Marlboro 100's 100FSP .....	16.9±0.3	1.17±0.02	16.6±0.5
More 120s 120FMSP .....	16.9±0.5	1.25±0.03	21.3±0.7
Marlboro 25's KFSP .....	16.9±0.4	1.07±0.02	15.6±0.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted "Tar" Test Results**

<b>Brand</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>	<b>CO mg/cig</b>
Philip Morris Blues KFMSP.....	16.9±0.3	1.18±0.02	16.0±0.3
Kool KFMSP .....	16.9±0.4	1.18±0.03	16.5±0.4
Alpine KFMSP .....	17.0±0.4	1.08±0.02	15.7±0.4
Benson & Hedges 100's 100FSP .....	17.0±0.3	1.19±0.02	17.2±0.4
Cambridge Full Flavor KFSP .....	17.0±0.3	1.08±0.02	16.1±0.3
Century 25's 100's 100FSP .....	17.0±0.4	1.10±0.03	20.7±0.5
Cambridge Full Flavor 100's 100FSP .....	17.2±0.3	1.15±0.02	15.9±0.4
Winston 100's 100FSP .....	17.2±0.3	1.07±0.02	17.5±0.3
Newport KFMSP.....	17.3±0.2	1.33±0.02	17.7±0.3
Camel Filters 100FSP .....	17.4±0.4	1.07±0.03	18.1±0.5
Old Gold Filters KFSP.....	17.5±0.4	1.34±0.03	18.2±0.4
Richland (25) 100's 100FSP .....	17.7±0.3	1.31±0.02	17.2±0.4
Max 120s 120FSP .....	17.7±0.3	1.45±0.03	16.7±0.5
Philip Morris International 100FHP .....	17.8±0.2	1.20±0.01	16.7±0.4
Tall 120s 120FMSP .....	17.8±0.4	1.54±0.03	17.6±0.6
Doral Full Flavor KFSP .....	17.8±0.2	0.91±0.01	19.5±0.4
Max 120s 120FMSP .....	18.2±0.4	1.51±0.02	16.8±0.5
Rothmans KFHP.....	18.6±0.3	1.27±0.03	20.4±0.3
Newport 100's 100FMHP.....	19.3±0.3	1.53±0.03	19.0±0.3
Spring 100's 100FMSP.....	19.4±0.2	1.56±0.02	18.5±0.3
Newport 100's 100FMSP.....	19.4±0.3	1.53±0.03	18.9±0.4
Newport 100's (25) 100FMSP.....	19.6±0.3	1.55±0.03	19.0±0.4
Old Gold Filter 100's 100FSP.....	19.7±0.3	1.52±0.03	19.5±0.4
Tall 120s 120FSP .....	19.9±0.4	1.64±0.04	20.7±0.6
Chesterfield RNFSP .....	20.5±0.5	1.30±0.03	13.2±0.3
Kool RNFMSF .....	21.5±0.8	1.34±0.05	14.3±0.4
Camel RNFSP .....	21.9±0.5	1.36±0.03	14.4±0.3
Philip Morris RNFSP .....	22.7±0.4	1.34±0.02	13.3±0.3
Pall Mall 25's KNFSP .....	23.6±0.5	1.54±0.03	16.2±0.4
Pall Mall KNFSP.....	23.7±0.4	1.54±0.02	16.1±0.3
Raleigh KNFSP .....	24.0±0.4	1.38±0.03	17.0±0.4
English Ovals KNFHP .....	24.2±0.6	1.84±0.05	15.3±0.4
Lucky Strike RNFSP.....	24.3±0.4	1.50±0.02	17.0±0.4
Chesterfield KNFSP .....	24.7±0.5	1.69±0.04	15.7±0.3
Herbert Tareyton KNFSP.....	25.0±0.5	1.57±0.03	17.8±0.3
Players RNFHP.....	25.2±0.5	1.66±0.04	16.0±0.3
Old Gold Straights KNFSP.....	26.9±0.4	1.91±0.03	18.8±0.3
Philip Morris Commander KNFSP .....	27.2±0.5	1.65±0.03	16.3±0.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig =
Carlton KFHP .....	< 0.5	< 0.5	< 0.05
Now KFHP .....	< 0.5	< 0.5	< 0.05
Carlton 100's 100FMHP .....	0.9±0.1	0.7±0.1	0.10±0.01
Carlton 100's 100FHP .....	1.1±0.1	0.8±0.1	0.11±0.01
Carlton KFMSp .....	1.3±0.1	0.6±0.1	0.09±0.01
Carlton KFSP .....	2.0±0.1	1.1±0.1	0.13±0.01
Now KFSP .....	2.0±0.1	1.0±0.1	0.13±0.01
Now KFMSp .....	2.2±0.1	1.1±0.1	0.13±0.01
Now 100s 100FSP .....	3.4±0.2	2.1±0.1	0.23±0.01
Kool Ultra KFMSp .....	3.7±0.4	3.0±0.3	0.28±0.03
Triumph KFSP .....	4.3±0.2	3.6±0.1	0.37±0.02
Triumph KFMSp .....	4.3±0.3	3.5±0.2	0.37±0.02
Carlton 100's 100FSP .....	4.4±0.2	3.3±0.1	0.33±0.01
Kent III KFSP .....	4.4±0.3	3.7±0.2	0.39±0.02
Now 100s 100FMSP .....	4.5±0.2	2.7±0.1	0.27±0.01
Carlton 120's 120FSP .....	5.0±0.2	5.9±0.2	0.57±0.01
Carlton 120's 120FMSP .....	5.1±0.2	6.1±0.2	0.60±0.02
Tareyton Lights KFSP .....	5.7±0.3	5.1±0.2	0.42±0.02
Merit Ultra Lights KFMSp .....	5.8±0.2	4.7±0.1	0.41±0.01
True KFMSp .....	5.8±0.3	4.7±0.3	0.46±0.03
True KFSP .....	5.8±0.2	4.8±0.2	0.47±0.02
Capri 100FMHP .....	5.9±0.2	8.8±0.2	0.71±0.01
Kool Ultra 100's 100FMSP .....	6.1±0.3	5.5±0.1	0.49±0.01
Capri 100FHP .....	6.2±0.2	8.8±0.2	0.76±0.02
L & M Long Lights 100FSP .....	6.2±0.2	7.6±0.2	0.79±0.02
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP ....	6.2±0.4	5.4±0.2	0.49±0.02
Carlton 100's 100FMSP .....	6.3±0.3	4.4±0.2	0.42±0.01
Kent III 100s 100FHP .....	6.3±0.3	4.9±0.2	0.48±0.02
Triumph 100s 100FSP .....	6.7±0.2	5.1±0.2	0.50±0.01
Merit Ultra Lights KFSP .....	6.7±0.3	5.2±0.2	0.46±0.02
Virginia Slims Ultra Lights 100FHP .....	6.8±0.2	5.9±0.1	0.49±0.01
Kent III 100s 100FSP .....	7.1±0.4	5.3±0.3	0.52±0.02
Benson & Hedges Deluxe Ultra Lights 100's 100FHP .....	7.1±0.4	5.8±0.3	0.49±0.02
Virginia Slims Ultra Lights 100FMHP .....	7.3±0.2	6.3±0.1	0.52±0.01
Merit Ultra Lights 100's 100FMSP .....	7.4±0.2	5.4±0.1	0.49±0.01
True 100's 100FSP .....	7.4±0.4	7.1±0.3	0.67±0.03
Salem Ultra Lights 100's 100FMSP .....	7.4±0.2	4.7±0.1	0.43±0.02
Merit Ultra Lights 100's 100FSP .....	7.5±0.2	5.6±0.1	0.50±0.01
True 100's 100FMSP .....	7.5±0.4	7.2±0.4	0.68±0.03
Triumph 100s 100FMSP .....	7.5±0.4	5.7±0.2	0.55±0.02
Vantage Ultra Lights KFSP .....	7.7±0.4	5.3±0.2	0.44±0.01
Salem Ultra Lights KFMSp .....	7.7±0.2	5.1±0.1	0.42±0.01
Winston Ultra Lights KFSP .....	7.8±0.2	5.1±0.1	0.43±0.01
Winston Ultra Lights 100's 100FSP .....	8.6±0.2	5.1±0.1	0.45±0.01
Kent Golden Lights KFMSp .....	8.8±0.4	8.0±0.2	0.73±0.02
Virginia Slims Lights 100FMHP .....	9.2±0.2	8.6±0.2	0.68±0.02
Kool Lights KFMSp .....	9.2±0.3	8.5±0.3	0.70±0.02

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig =
Tareyton Long Lights 100FSP	9.2±0.3	8.6±0.2	0.71±0.02
Belair 100's 100FMSP	9.2±0.4	8.6±0.3	0.66±0.02
Vantage Ultra Lights 100s 100FSP	9.2±0.3	5.6±0.1	0.47±0.02
Kent Golden Lights KFSP	9.4±0.5	8.7±0.3	0.79±0.02
Virginia Slims Lights 100FHP	9.5±0.3	8.8±0.2	0.68±0.02
Parliament Lights KFHP	9.7±0.2	9.1±0.2	0.68±0.01
Merit KFMSF	9.7±0.2	7.8±0.2	0.59±0.01
Kent Golden Lights 100s 100FMSP	9.8±0.4	9.2±0.3	0.86±0.02
More Lights 100s 100FHP	9.8±0.3	9.5±0.3	0.74±0.02
More Lights 100s 100FMHP	9.8±0.4	8.9±0.2	0.66±0.01
Kool Lights 100's 100FMSP	9.8±0.5	8.7±0.5	0.73±0.03
Belair KFMSF	9.8±0.2	10.4±0.2	0.82±0.02
Salem Slim Lights 100's 100FMHP	9.8±0.2	9.1±0.2	0.72±0.02
Lucky Strike Lights KFSP	9.9±0.3	8.1±0.2	0.65±0.01
Newport Lights 100's 100FMSP	9.9±0.3	9.4±0.2	0.87±0.02
Newport Lights KFMSF	9.9±0.3	9.0±0.2	0.82±0.02
Kim 25's 100FMHP	9.9±0.2	9.3±0.2	0.78±0.02
Malibu Light's 100's 100FSP	10.0±0.3	8.7±0.2	0.75±0.02
Merit KFSP	10.0±0.3	8.2±0.2	0.62±0.01
Merit KFHP	10.1±0.3	8.2±0.2	0.63±0.01
Newport Lights KFMHP	10.1±0.3	9.2±0.2	0.84±0.02
Silva Thins 100FSP	10.2±0.3	11.6±0.2	0.94±0.02
Lucky Strike Lights 100's 100FSP	10.3±0.3	9.2±0.2	0.75±0.02
Parliament Lights KFSP	10.4±0.4	9.3±0.3	0.70±0.02
Silva Thins Menthol 100FMSP	10.4±0.3	12.1±0.2	1.01±0.02
Kent Golden Lights KFHP	10.5±0.4	9.6±0.3	0.84±0.02
Falcon Lights 100's 100FMSP	10.5±0.3	8.5±0.2	0.68±0.02
Kent Golden Lights 100s 100FHP	10.6±0.5	9.9±0.3	0.91±0.02
L & M 30's Lights 100's 100FSP	10.7±0.3	12.8±0.2	1.08±0.02
Bright 100s 100FMSP	10.7±0.2	6.7±0.1	0.49±0.02
Eve Lights 120's 120FHP	10.7±0.4	12.3±0.3	1.07±0.03
Eve Lights 120's 120FMHP	10.8±0.4	12.5±0.4	1.11±0.03
Newport Lights 100's 100FMHP	10.8±0.4	10.2±0.3	0.97±0.03
Dunhill International Superior Mild 100FHP	10.8±0.3	9.3±0.2	0.79±0.01
Eve Slim Lights 100's 100FMHP	10.9±0.3	12.8±0.3	1.03±0.02
Falcon Lights KFSP	10.9±0.2	11.1±0.2	0.77±0.02
Players Lights 25's KFMSF	11.0±0.3	10.1±0.3	0.72±0.02
Kool Milds KFMHP	11.1±0.3	11.5±0.3	0.86±0.02
Silva Thins Filters 100FHP	11.1±0.2	10.3±0.2	0.87±0.02
Eve Slim Lights 100's 100FHP	11.1±0.2	12.8±0.2	1.04±0.02
Winston Lights 100's 100FHP	11.1±0.3	9.6±0.2	0.67±0.01
Kent Golden Lights 100s 100FSP	11.2±0.4	10.3±0.4	0.94±0.03
Old Gold Lights KFSP	11.2±0.3	9.7±0.2	0.87±0.02
Players Lights 25's KFSP	11.2±0.3	10.2±0.2	0.72±0.01
Silva Thins Menthol 100FMHP	11.4±0.3	11.3±0.2	0.97±0.02
Salem Lights 100's 100FMSP	11.4±0.3	9.3±0.2	0.73±0.02
Benson & Hedges KFHP	11.5±0.3	15.1±0.4	1.18±0.02



**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

<b>Brand</b>	<b>CO mg/cig</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>
Kim 25's 100FHP .....	11.6±0.4	10.9±0.3	0.87±0.01
Merit 100's 100FMSP .....	11.6±0.2	10.0±0.2	0.76±0.02
Benson & Hedges Multifilter KFSP .....	11.6±0.3	12.1±0.2	0.87±0.02
Salem Lights 100's 100FMHP .....	11.7±0.2	10.8±0.2	0.82±0.02
Camel Lights KFHP .....	11.7±0.2	9.6±0.2	0.61±0.01
Doral Ultra Lights 100's 100FSP .....	11.7±0.4	6.8±0.2	0.46±0.02
Marlboro Lights 100's 100FMSP .....	11.7±0.2	10.0±0.2	0.78±0.02
Ritz 100 100FMHP .....	11.7±0.2	11.5±0.2	0.80±0.02
Malibu Menthol 100's 100FMSP .....	11.7±0.4	11.5±0.2	0.94±0.02
Merit 100's 100FSP .....	11.8±0.3	9.9±0.2	0.78±0.02
Marlboro Lights KFHP .....	11.9±0.2	10.7±0.2	0.77±0.01
Winston Lights KFHP .....	11.9±0.3	10.0±0.2	0.63±0.01
Century 25's Lights (25) KFSP .....	11.9±0.2	9.7±0.2	0.68±0.01
Pall Mall Light 100's 100FSP .....	12.0±0.4	10.4±0.2	0.83±0.02
Pall Mall Unfiltered Lights KNFSP .....	12.0±1.0	16.2±0.9	1.10±0.04
Players KFHP .....	12.1±0.4	11.6±0.2	0.81±0.01
Marlboro Lights KFMSP .....	12.1±0.3	11.0±0.2	0.79±0.02
Marlboro Lights KFSP .....	12.1±0.4	11.2±0.2	0.80±0.01
Falcon Lights KFMSP .....	12.1±0.4	10.5±0.3	0.78±0.02
Marlboro Lights 25's KFSP .....	12.2±0.3	11.3±0.2	0.79±0.02
Kool Milds 100's 100FMSP .....	12.2±0.2	11.5±0.2	0.92±0.02
Benson & Hedges Lights 100's 100FMSP .....	12.2±0.3	10.6±0.2	0.78±0.02
Players KFMHP .....	12.2±0.2	11.9±0.2	0.81±0.01
Lark KFSP .....	12.2±0.3	13.3±0.1	1.05±0.02
Vantage 100s 100FSP .....	12.3±0.2	8.8±0.1	0.62±0.01
Lucky Strike Menthol 100's 100FMSP .....	12.3±0.3	11.6±0.3	0.92±0.02
Lucky Strike KFSP .....	12.4±0.4	11.7±0.2	0.87±0.02
Camel Lights KFSP .....	12.5±0.3	8.9±0.2	0.61±0.01
Salem Lights KFMSP .....	12.5±0.3	9.7±0.3	0.70±0.02
Lucky Strike Filters 100's 100FSP .....	12.5±0.3	12.0±0.2	0.96±0.02
Vantage Menthol 100s 100FMSP .....	12.5±0.3	8.4±0.1	0.61±0.02
Cambridge Lights KFMSP .....	12.5±0.3	11.9±0.3	0.81±0.03
Cambridge Lights KFSP .....	12.5±0.3	12.2±0.2	0.84±0.02
Richland Lights (25) KFSP .....	12.5±0.2	10.8±0.2	0.79±0.02
Kool Milds KFMSP .....	12.6±0.3	11.9±0.3	0.92±0.02
Lucky Strike KFHP .....	12.6±0.3	11.7±0.2	0.88±0.02
Satin 100FSP .....	12.7±0.3	11.0±0.3	0.97±0.02
Craven "A" RFHP .....	12.8±0.3	16.0±0.4	1.11±0.03
Kent KFHP .....	12.8±0.4	11.5±0.3	0.87±0.02
Benson & Hedges Lights 100's 100FSP .....	12.8±0.3	10.5±0.2	0.81±0.02
Lark Lights KFSP .....	12.8±0.4	13.1±0.2	1.01±0.02
Vantage KFMSP .....	12.8±0.4	10.3±0.3	0.69±0.02
Players 100's 100FHP .....	12.8±0.3	14.0±0.2	0.98±0.01
Pall Mall Red KFSP .....	12.9±0.3	13.8±0.3	1.02±0.02
Marlboro Lights 100's 100FHP .....	12.9±0.4	10.9±0.2	0.82±0.01
Pall Mall Light 100's Low Tar 100FMSP .....	12.9±0.3	13.3±0.2	1.06±0.02
Malibu 100's 100FSP .....	12.9±0.5	12.0±0.5	0.96±0.04

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig =
L & M KFSP.....	12.9±0.2	13.4±0.2	1.04±0.02
Players 100's 100FMHP .....	13.0±0.4	14.4±0.3	1.00±0.02
Winston Lights 100's 100FSP.....	13.0±0.3	11.2±0.2	0.79±0.01
Ritz 100 100FHP .....	13.0±0.2	11.7±0.2	0.83±0.02
Parliament Lights 100's 100FSP .....	13.1±0.4	12.4±0.2	0.95±0.02
Chesterfield RNFSP .....	13.2±0.3	20.5±0.5	1.30±0.03
Marlboro Lights 100's 100FSP .....	13.2±0.3	11.2±0.2	0.83±0.02
Satin 100FMSP .....	13.2±0.4	11.3±0.3	1.00±0.02
Magna Lites KFSP .....	13.2±0.2	9.0±0.1	0.62±0.01
Philip Morris RNFSP .....	13.3±0.3	22.7±0.4	1.34±0.02
Raleigh Lights 100's 100FSP.....	13.3±0.4	11.2±0.3	0.86±0.02
L & M KFHP .....	13.3±0.3	13.9±0.3	1.09±0.02
Eli Cutter Lights KFSP .....	13.4±0.3	12.1±0.3	0.93±0.02
Viceroy Lights KFSP .....	13.4±0.4	11.5±0.3	0.86±0.02
Players 25's Lights 100's 100FMSP .....	13.4±0.2	11.4±0.2	0.82±0.01
Kent KFSP .....	13.4±0.4	12.3±0.4	0.93±0.03
Virginia Slims 100FMSP .....	13.5±0.4	15.4±0.3	1.07±0.02
Raleigh Lights KFSP .....	13.5±0.3	11.6±0.2	0.86±0.01
Winston Lights KFSP .....	13.5±0.4	10.9±0.2	0.75±0.01
Century 25's Menthol Lights 100's.....	13.6±0.3	11.9±0.3	0.84±0.02
Vantage KFSP .....	13.6±0.4	10.6±0.3	0.72±0.02
Century 25's Lights 100's 100FSP .....	13.7±0.4	11.8±0.2	0.85±0.01
Doral Menthol Lights 100's 100FMSP .....	13.7±0.3	12.1±0.2	0.72±0.02
Doral 100's Filter Lights 100FSP .....	13.7±0.3	12.0±0.2	0.72±0.02
Kent 100s 100FSP.....	13.8±0.3	13.4±0.2	1.04±0.02
Players 25's Lights 100's 100FSP.....	13.8±0.3	11.8±0.2	0.85±0.01
L & M Super 100 100FSP .....	13.9±0.3	13.8±0.2	1.09±0.03
Viceroy Lights 100's 100FSP.....	14.0±0.4	11.8±0.2	0.91±0.02
Cambridge Lights 100's 100FMSP .....	14.0±0.3	11.8±0.2	0.86±0.01
Pall Mall Red 100FSP .....	14.0±0.3	13.6±0.3	1.04±0.02
Virginia Slims 100FSP .....	14.1±0.2	15.4±0.2	1.06±0.01
Doral Menthol Filter Lights KFMSP .....	14.1±0.3	11.7±0.2	0.62±0.02
Lark Light 100's 100FSP .....	14.1±0.4	13.8±0.3	1.09±0.02
Kool RNFMSMSP .....	14.3±0.4	21.5±0.8	1.34±0.05
Cambridge Lights 100's 100FSP.....	14.4±0.2	11.9±0.2	0.87±0.02
Kent 100s 100FMSP.....	14.4±0.3	13.6±0.3	1.00±0.03
Richland Lights (25) 100's 100FSP .....	14.4±0.4	12.4±0.2	0.92±0.02
Camel RNFSP .....	14.4±0.3	21.9±0.5	1.36±0.03
Lark 100FSP .....	14.5±0.4	14.8±0.3	1.20±0.03
Virginia Slims Lights 120's 120FMHP .....	14.5±0.5	14.6±0.5	1.05±0.02
Raleigh KFSP .....	14.5±0.3	15.0±0.4	0.96±0.02
Camel Lights 100's 100FSP.....	14.5±0.3	11.2±0.3	0.78±0.01
Saratoga 120's 120FHP.....	14.5±0.4	14.4±0.3	1.04±0.02
Hi-Lite 100FHP.....	14.5±0.4	13.8±0.2	1.01±0.02
Viceroy KFSP .....	14.7±0.3	15.1±0.3	0.96±0.02
Virginia Slims Lights 120's 120FHP .....	14.7±0.5	14.3±0.3	1.02±0.03
St. Moritz Filter 100s 100FSP.....	14.8±0.3	14.8±0.3	1.10±0.02

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

Brand	CO mg/cig	"Tar" mg/cig	"Nicotine" mg/cig =
Saratoga 120's 120FMHP.....	14.9±0.3	14.9±0.3	1.06±0.02
Magna KFSP.....	14.9±0.3	14.2±0.3	0.93±0.02
Marlboro KFHP.....	14.9±0.4	16.3±0.3	1.08±0.02
Doral Filter Lights KFSP.....	15.0±0.4	12.3±0.3	0.66±0.02
Viceroy Super Long 100's 100FSP.....	15.1±0.4	15.8±0.4	1.14±0.02
Benson & Hedges 100's 100FMHP.....	15.1±0.4	16.3±0.3	1.13±0.02
Falcon Lights 100's 100FSP.....	15.2±0.4	12.6±0.2	0.87±0.02
Tareyton KFSP.....	15.3±0.3	13.8±0.3	0.95±0.02
Camel Filters KFSP.....	15.3±0.3	15.4±0.2	1.00±0.02
English Ovals KNFHP.....	15.3±0.4	24.2±0.6	1.84±0.05
Eli Cutter KFSP.....	15.4±0.2	16.1±0.2	1.10±0.03
Philip Morris International 100FMHP.....	15.5±0.4	16.8±0.3	1.13±0.02
St. Moritz Menthol Filter 100MSP.....	15.5±0.3	15.1±0.2	1.04±0.02
Philip Morris Blues 100FMSP.....	15.6±0.4	15.5±0.2	1.15±0.02
Marlboro 25's KFSP.....	15.6±0.4	16.9±0.4	1.07±0.02
Marlboro KFMSP.....	15.6±0.3	16.8±0.2	1.09±0.01
Rothmans Special Mild KFHP.....	15.6±0.3	13.8±0.2	1.01±0.02
Alpine KFMSP.....	15.7±0.4	17.0±0.4	1.08±0.02
Chesterfield KNFSP.....	15.7±0.3	24.7±0.5	1.69±0.04
Craven "A" KFHP.....	15.7±0.3	15.5±0.3	1.13±0.02
Richland (25) KFSP.....	15.7±0.3	16.6±0.3	1.16±0.03
Marlboro KFSP.....	15.8±0.3	16.8±0.2	1.11±0.02
Kool KFMHP.....	15.8±0.3	15.6±0.3	1.09±0.02
Magna KFHP.....	15.9±0.5	14.1±0.4	0.89±0.02
Cambridge Full Flavor 100's 100FSP.....	15.9±0.4	17.2±0.3	1.15±0.02
Winston KFSP.....	15.9±0.2	16.8±0.3	1.09±0.02
Players RNFHP.....	16.0±0.3	25.2±0.5	1.66±0.04
Marlboro 100 Red 100FSP.....	16.0±0.3	16.7±0.3	1.18±0.02
Philip Morris Blues KFMSP.....	16.0±0.3	16.9±0.3	1.18±0.02
Cambridge Full Flavor KFSP.....	16.1±0.3	17.0±0.3	1.08±0.02
Benson & Hedges 100's 100FHP.....	16.1±0.4	16.8±0.2	1.16±0.02
Richland (25) KFMSP.....	16.1±0.3	16.4±0.3	1.09±0.02
Pall Mall KNFSP.....	16.1±0.3	23.7±0.4	1.54±0.02
Benson & Hedges 100's 100FMSP.....	16.1±0.4	16.4±0.2	1.16±0.02
Pall Mall 25's KNFSP.....	16.2±0.4	23.6±0.5	1.54±0.03
Raleigh 100's 100FSP.....	16.2±0.3	15.3±0.3	0.99±0.02
Tareyton 100's 100FSP.....	16.2±0.4	13.5±0.3	0.97±0.02
Camel Filters KFHP.....	16.3±0.3	16.5±0.2	1.03±0.01
Philip Morris Commander KNFSP.....	16.3±0.4	27.2±0.5	1.65±0.03
Kool Super Longs 100's 100FMSP.....	16.3±0.3	16.2±0.2	1.23±0.03
Winston KFHP.....	16.4±0.3	16.4±0.2	1.03±0.01
Kool KFMSP.....	16.5±0.4	16.9±0.4	1.18±0.03
Marlboro 100's 100FHP.....	16.5±0.5	16.6±0.3	1.16±0.02
Richland (25) 100's 100FMSP.....	16.6±0.3	16.2±0.2	1.18±0.03
Doral Full Flavor 100's 100FSP.....	16.6±0.3	14.2±0.2	0.81±0.02
Marlboro 100's 100FSP.....	16.6±0.5	16.9±0.3	1.17±0.02
Philip Morris International 100FHP.....	16.7±0.4	17.8±0.2	1.20±0.01

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Sorted CO Test Results**

<b>Brand</b>	<b>CO mg/cig</b>	<b>"Tar" mg/cig</b>	<b>"Nicotine" mg/cig</b>
Old Gold Lights 100s 100FSP.....	16.7±0.3	13.0±0.2	1.02±0.02
Max 120s 120FSP.....	16.7±0.5	17.7±0.3	1.45±0.03
Max 120s 120FMSP.....	16.8±0.5	18.2±0.4	1.51±0.02
Pall Mall 100's 100FSP.....	16.8±0.5	16.7±0.4	1.24±0.02
Newport KFMHP.....	16.9±0.4	16.6±0.3	1.28±0.02
Raleigh KNFSP.....	17.0±0.4	24.0±0.4	1.38±0.03
Newport (25) KFMSP.....	17.0±0.4	16.8±0.3	1.29±0.03
Century 25's (25) KFSP.....	17.0±0.4	14.8±0.3	0.95±0.02
Marlboro 100 Red 100FHP.....	17.0±0.3	16.8±0.2	1.19±0.02
Lucky Strike RNFSP.....	17.0±0.4	24.3±0.4	1.50±0.02
Dunhill Menthol 100FMHP.....	17.1±0.3	14.5±0.2	1.23±0.02
Benson & Hedges 100's 100FSP.....	17.2±0.4	17.0±0.3	1.19±0.02
Richland (25) 100's 100FSP.....	17.2±0.4	17.7±0.3	1.31±0.02
Dunhill International 100FHP.....	17.3±0.4	14.8±0.2	1.38±0.03
Winston 100's 100FSP.....	17.5±0.3	17.2±0.3	1.07±0.02
Tall 120s 120FMSP.....	17.6±0.6	17.8±0.4	1.54±0.03
Newport KFMSP.....	17.7±0.3	17.3±0.2	1.33±0.02
Herbert Tareyton KNFSP.....	17.8±0.3	25.0±0.5	1.57±0.03
Salem 100's 100FMSP.....	17.9±0.4	16.6±0.2	1.13±0.02
Doral Full Flavor KFHP.....	18.1±0.5	15.2±0.3	0.80±0.02
Camel Filters 100FSP.....	18.1±0.5	17.4±0.4	1.07±0.03
Old Gold Filters KFSP.....	18.2±0.4	17.5±0.4	1.34±0.03
Fiesta KFSP.....	18.4±0.3	16.1±0.2	0.71±0.01
Salem KFMSP.....	18.4±0.4	15.7±0.3	0.97±0.02
Spring 100's 100FMSP.....	18.5±0.3	19.4±0.2	1.56±0.02
Old Gold Straights KNFSP.....	18.8±0.3	26.9±0.4	1.91±0.03
Newport 100's 100FMSP.....	18.9±0.4	19.4±0.3	1.53±0.03
Newport 100's (25) 100FMSP.....	19.0±0.4	19.6±0.3	1.55±0.03
Newport 100's 100FMHP.....	19.0±0.3	19.3±0.3	1.53±0.03
More Lights 120s 120FSP.....	19.1±0.4	12.0±0.3	0.89±0.02
More Lights 120s 120FMSP.....	19.2±0.5	11.8±0.2	0.91±0.02
Old Gold Filter 100's 100FSP.....	19.5±0.4	19.7±0.3	1.52±0.03
Doral Full Flavor KFSP.....	19.5±0.4	17.8±0.2	0.91±0.01
Rothmans KFHP.....	20.4±0.3	18.6±0.3	1.27±0.03
Century 25's 100's 100FSP.....	20.7±0.5	17.0±0.4	1.10±0.03
Tall 120s 120FSP.....	20.7±0.6	19.9±0.4	1.64±0.04
More 120s 120FSP.....	21.1±0.5	16.6±0.3	1.15±0.02
More 120s 120FMSP.....	21.3±0.7	16.9±0.5	1.25±0.03

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

Brand	Tar mg/cig	Nicotine mg/cig	CO mg/cig
Alpine KFMSP .....	17	1.1	16
Belair KFMSP .....	10	0.8	10
Belair 100's 100FMSP .....	9	0.7	9
Benson & Hedges KFHP .....	15	1.2	12
Benson & Hedges 100's 100FHP .....	17	1.2	16
Benson & Hedges 100's 100FMHP .....	16	1.1	15
Benson & Hedges 100's 100FSP .....	17	1.2	17
Benson & Hedges 100's 100FMSP .....	16	1.2	16
Benson & Hedges Deluxe Ultra Lights 100's 100FHP .....	6	0.5	7
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP .....	5	0.5	6
Benson & Hedges Lights 100's 100FSP .....	10	0.8	13
Benson & Hedges Lights 100's 100FMSP .....	11	0.8	12
Benson & Hedges Multifilter KFSP .....	12	0.9	12
Bright 100s 100FMSP .....	7	0.5	11
Cambridge Full Flavor KFSP .....	17	1.1	16
Cambridge Full Flavor 100's 100FSP .....	17	1.2	16
Cambridge Lights KFSP .....	12	0.8	13
Cambridge Lights KFMSP .....	12	0.8	13
Cambridge Lights 100's 100FSP .....	12	0.9	14
Cambridge Lights 100's 100FMSP .....	12	0.9	14
Camel RNFSP .....	22	1.4	14
Camel Filters KFHP .....	16	1.0	16
Camel Filters KFSP .....	15	1.0	15
Camel Filters 100FSP .....	17	1.1	18
Camel Lights KFHP .....	10	0.6	12
Camel Lights KFSP .....	9	0.6	12
Camel Lights 100's 100FSP .....	11	0.8	15
Capri 100FHP .....	9	0.8	6
Capri 100FMHP .....	9	0.7	6
Carlton KFHP .....	< 0.5	< 0.05	< 0.5
Carlton KFSP .....	1	0.1	2
Carlton KFMSP .....	1	0.1	1
Carlton 100's 100FHP .....	1	0.1	1
Carlton 100's 100FMHP .....	1	0.1	1
Carlton 100's 100FSP .....	3	0.3	4
Carlton 100's 100FMSP .....	4	0.4	6
Carlton 120's 120FSP .....	6	0.6	5
Carlton 120's 120FMSP .....	6	0.6	5
Century 25's (25) KFSP .....	15	0.9	17
Century 25's 100's 100FSP .....	17	1.1	21
Century 25's Lights (25) KFSP .....	10	0.7	12
Century 25's Lights 100's 100FSP .....	12	0.8	14
Century 25's Menthol Lights 100's .....	12	0.8	14
Chesterfield RNFSP .....	20	1.3	13
Chesterfield KNFSP .....	25	1.7	16
Doral Full Flavor KFHP .....	15	0.8	18
Doral Full Flavor KFSP .....	18	0.9	20

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**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
Doral Full Flavor 100's 100FSP.....	14	0.8	17
Doral Filter Lights KFSP.....	12	0.7	15
Doral Menthol Filter Lights KFMSP.....	12	0.6	14
Doral 100's Filter Lights 100FSP.....	12	0.7	14
Doral Menthol Lights 100's 100FMSP.....	12	0.7	14
Doral Ultra Lights 100's 100FSP.....	7	0.5	12
Eli Cutter KFSP.....	16	1.1	15
Eli Cutter Lights KFSP.....	12	0.9	13
English Ovals KNFHP.....	24	1.8	15
Eve Slim Lights 100's 100FHP.....	13	1.0	11
Eve Slim Lights 100's 100FMHP.....	13	1.0	11
Eve Lights 120's 120FHP.....	12	1.1	11
Eve Lights 120's 120FMHP.....	13	1.1	11
Falcon Lights KFSP.....	11	0.8	11
Falcon Lights KFMSP.....	10	0.8	12
Falcon Lights 100's 100FSP.....	13	0.9	15
Falcon Lights 100's 100FMSP.....	9	0.7	11
Fiesta KFSP.....	16	0.7	18
Herbert Tareyton KNFSP.....	25	1.6	18
Hi-Lite 100FHP.....	14	1.0	15
Kent Golden Lights KFHP.....	10	0.8	10
Kent Golden Lights KFSP.....	9	0.8	9
Kent Golden Lights KFMSP.....	8	0.7	9
Kent Golden Lights 100s 100FHP.....	10	0.9	11
Kent Golden Lights 100s 100FSP.....	10	0.9	11
Kent Golden Lights 100s 100FMSP.....	9	0.9	10
Kent KFHP.....	11	0.9	13
Kent KFSP.....	12	0.9	13
Kent 100s 100FSP.....	13	1.0	14
Kent 100s 100FMSP.....	14	1.0	14
Kent III KFSP.....	4	0.4	4
Kent III 100s 100FHP.....	5	0.5	6
Kent III 100s 100FSP.....	5	0.5	7
Kim 25's 100FHP.....	11	0.9	12
Kim 25's 100FMHP.....	9	0.8	10
Kool RNFMSM.....	21	1.3	14
Kool KFMHP.....	16	1.1	16
Kool KFMSP.....	17	1.2	17
Kool Super Longs 100's 100FMSP.....	16	1.2	16
Kool Lights KFMSP.....	8	0.7	9
Kool Lights 100's 100FMSP.....	9	0.7	10
Kool Milds KFMHP.....	11	0.9	11
Kool Milds KFMSP.....	12	0.9	13
Kool Milds 100's 100FMSP.....	12	0.9	12
Kool Ultra KFMSP.....	3	0.3	4
Kool Ultra 100's 100FMSP.....	6	0.5	6
L & M KFHP.....	14	1.1	13

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
L & M KFSP.....	13	1.0	13
L & M Super 100 100FSP.....	14	1.1	14
L & M Long Lights 100FSP.....	8	0.8	6
L & M 30's Lights 100's 100FSP.....	13	1.1	11
Lark KFSP.....	13	1.0	12
Lark 100FSP.....	15	1.2	14
Lark Lights KFSP.....	13	1.0	13
Lark Light 100's 100FSP.....	14	1.1	14
Lucky Strike RNFSP.....	24	1.5	17
Lucky Strike KFHP.....	12	0.9	13
Lucky Strike KFSP.....	12	0.9	12
Lucky Strike Filters 100's 100FSP.....	12	1.0	12
Lucky Strike Menthol 100's 100FMSP.....	12	0.9	12
Lucky Strike Lights KFSP.....	8	0.6	10
Lucky Strike Lights 100's 100FSP.....	9	0.8	10
Magna KFHP.....	14	0.9	16
Magna KFSP.....	14	0.9	15
Magna Lites KFSP.....	9	0.6	13
Malibu 100's 100FSP.....	12	1.0	13
Malibu Menthol 100's 100FMSP.....	11	0.9	12
Malibu Light's 100's 100FSP.....	9	0.7	10
Marlboro KFHP.....	16	1.1	15
Marlboro KFSP.....	17	1.1	16
Marlboro KFMSP.....	17	1.1	16
Marlboro 100's 100FHP.....	17	1.2	17
Marlboro 100's 100FSP.....	17	1.2	17
Marlboro 25's KFSP.....	17	1.1	16
Marlboro Lights KFHP.....	11	0.8	12
Marlboro Lights KFSP.....	11	0.8	12
Marlboro Lights KFMSP.....	11	0.8	12
Marlboro Lights 100's 100FHP.....	11	0.8	13
Marlboro Lights 100's 100FSP.....	11	0.8	13
Marlboro Lights 100's 100FMSP.....	10	0.8	12
Marlboro Lights 25's KFSP.....	11	0.8	12
Marlboro 100 Red 100FHP.....	17	1.2	17
Marlboro 100 Red 100FSP.....	17	1.2	16
Max 120s 120FSP.....	18	1.4	17
Max 120s 120FMSP.....	18	1.5	17
Merit KFHP.....	8	0.6	10
Merit KFSP.....	8	0.6	10
Merit KFMSP.....	8	0.6	10
Merit 100's 100FSP.....	10	0.8	12
Merit 100's 100FMSP.....	10	0.8	12
Merit Ultra Lights KFSP.....	5	0.5	7
Merit Ultra Lights KFMSP.....	5	0.4	6
Merit Ultra Lights 100's 100FSP.....	6	0.5	7
Merit Ultra Lights 100's 100FMSP.....	5	0.5	7

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
More 120s 120FSP .....	17	1.2	21
More 120s 120FMSP .....	17	1.3	21
More Lights 100s 100FHP .....	9	0.7	10
More Lights 100s 100FMHP .....	9	0.7	10
More Lights 120s 120FSP .....	12	0.9	19
More Lights 120s 120FMSP .....	12	0.9	19
Newport KFMHP .....	17	1.3	17
Newport KFMSP .....	17	1.3	18
Newport 100's 100FMHP .....	19	1.5	19
Newport 100's 100FMSP .....	19	1.5	19
Newport (25) KFMSP .....	17	1.3	17
Newport 100's (25) 100FMSP .....	20	1.6	19
Newport Lights KFMHP .....	9	0.8	10
Newport Lights KFMSP .....	9	0.8	10
Newport Lights 100's 100FMHP .....	10	1.0	11
Newport Lights 100's 100FMSP .....	9	0.9	10
Now KFHP .....	< 0.5	< 0.05	< 0.5
Now KFSP .....	1	0.1	2
Now KFMSP .....	1	0.1	2
Now 100s 100FSP .....	2	0.2	3
Now 100s 100FMSP .....	3	0.3	4
Old Gold Straights KNFSP .....	27	1.9	19
Old Gold Filters KFSP .....	17	1.3	18
Old Gold Filter 100's 100FSP .....	20	1.5	19
Old Gold Lights KFSP .....	10	0.9	11
Old Gold Lights 100s 100FSP .....	13	1.0	17
Pall Mall KNFSP .....	24	1.5	16
Pall Mall 25's KNFSP .....	24	1.5	16
Pall Mall 100's 100FSP .....	17	1.2	17
Pall Mall Unfiltered Lights KNFSP .....	16	1.1	12
Pall Mall Light 100's 100FSP .....	10	0.8	12
Pall Mall Light 100's Low Tar 100FMSP .....	13	1.1	13
Pall Mall Red KFSP .....	14	1.0	13
Pall Mall Red 100FSP .....	14	1.0	14
Parliament Lights KFHP .....	9	0.7	10
Parliament Lights KFSP .....	9	0.7	10
Parliament Lights 100's 100FSP .....	12	1.0	13
Philip Morris RNFSP .....	23	1.3	13
Philip Morris Commander KNFSP .....	27	1.6	16
Philip Morris Blues KFMSP .....	17	1.2	16
Philip Morris Blues 100FMSP .....	15	1.2	16
Philip Morris International 100FHP .....	18	1.2	17
Philip Morris International 100FMHP .....	17	1.1	15
Players RNFHP .....	25	1.7	16
Players KFHP .....	12	0.8	12
Players KFMHP .....	12	0.8	12
Players 100's 100FHP .....	14	1.0	13



**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
Players 100's 100FMHP .....	14	1.0	13
Players Lights 25's KFSP .....	10	0.7	11
Players Lights 25's KFMSP .....	10	0.7	11
Players 25's Lights 100's 100FSP .....	12	0.8	14
Players 25's Lights 100's 100FMSP .....	11	0.8	13
Raleigh KNFSP .....	24	1.4	17
Raleigh KFSP .....	15	1.0	15
Raleigh 100's 100FSP .....	15	1.0	16
Raleigh Lights KFSP .....	12	0.9	13
Raleigh Lights 100's 100FSP .....	11	0.9	13
Richland (25) KFSP .....	17	1.2	16
Richland (25) KFMSP .....	16	1.1	16
Richland (25) 100's 100FSP .....	18	1.3	17
Richland (25) 100's 100FMSP .....	16	1.2	17
Richland Lights (25) KFSP .....	11	0.8	13
Richland Lights (25) 100's 100FSP .....	12	0.9	14
Ritz 100 100FHP .....	12	0.8	13
Ritz 100 100FMHP .....	11	0.8	12
Salem KFMSP .....	16	1.0	18
Salem 100's 100FMSP .....	17	1.1	18
Salem Lights KFMSP .....	10	0.7	12
Salem Lights 100's 100FMHP .....	11	0.8	12
Salem Lights 100's 100FMSP .....	9	0.7	11
Salem Slim Lights 100's 100FMHP .....	9	0.7	10
Salem Ultra Lights KFMSP .....	5	0.4	8
Salem Ultra Lights 100's 100FMSP .....	5	0.4	7
Saratoga 120's 120FHP .....	14	1.0	15
Saratoga 120's 120FMHP .....	15	1.1	15
Satin 100FSP .....	11	1.0	13
Satin 100FMSP .....	11	1.0	13
Silva Thins Filters 100FHP .....	10	0.9	11
Silva Thins Menthol 100FMHP .....	11	1.0	11
Silva Thins 100FSP .....	12	0.9	10
Silva Thins Menthol 100FMSP .....	12	1.0	10
Spring 100's 100FMSP .....	19	1.6	18
Tall 120s 120FSP .....	20	1.6	21
Tall 120s 120FMSP .....	18	1.5	18
Tareyton KFSP .....	14	1.0	15
Tareyton 100's 100FSP .....	14	1.0	16
Tareyton Lights KFSP .....	5	0.4	6
Tareyton Long Lights 100FSP .....	9	0.7	9
Triumph KFSP .....	4	0.4	4
Triumph KFMSP .....	4	0.4	4
Triumph 100s 100FSP .....	5	0.5	7
Triumph 100s 100FMSP .....	6	0.6	8
True KFSP .....	5	0.5	6
True KFMSP .....	5	0.5	6

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Rounded Results**

<b>Brand</b>	<b>Tar mg/cig</b>	<b>Nicotine mg/cig</b>	<b>CO mg/cig</b>
True 100's 100FSP.....	7	0.7	7
True 100's 100FMSP.....	7	0.7	8
Vantage KFSP.....	11	0.7	14
Vantage KFMSP.....	10	0.7	13
Vantage 100s 100FSP.....	9	0.6	12
Vantage Menthol 100s 100FMSP.....	8	0.6	13
Vantage Ultra Lights KFSP.....	5	0.4	8
Vantage Ultra Lights 100s 100FSP.....	6	0.5	9
Viceroy KFSP.....	15	1.0	15
Viceroy Super Long 100's 100FSP.....	16	1.1	15
Viceroy Lights KFSP.....	11	0.9	13
Viceroy Lights 100's 100FSP.....	12	0.9	14
Virginia Slims 100FSP.....	15	1.1	14
Virginia Slims 100FMSP.....	15	1.1	13
Virginia Slims Lights 100FHP.....	9	0.7	10
Virginia Slims Lights 100FMHP.....	9	0.7	9
Virginia Slims Lights 120's 120FHP.....	14	1.0	15
Virginia Slims Lights 120's 120FMHP.....	15	1.0	15
Virginia Slims Ultra Lights 100FHP.....	6	0.5	7
Virginia Slims Ultra Lights 100FMHP.....	6	0.5	7
Winston KFHP.....	16	1.0	16
Winston KFSP.....	17	1.1	16
Winston 100's 100FSP.....	17	1.1	18
Winston Lights KFHP.....	10	0.6	12
Winston Lights KFSP.....	11	0.8	14
Winston Lights 100's 100FHP.....	10	0.7	11
Winston Lights 100's 100FSP.....	11	0.8	13
Winston Ultra Lights KFSP.....	5	0.4	8
Winston Ultra Lights 100's 100FSP.....	5	0.4	9
Craven "A" KFHP.....	16	1.1	16
Craven "A" RFHP.....	16	1.1	13
Dunhill International 100FHP.....	15	1.4	17
Dunhill Menthol 100FMHP.....	15	1.2	17
Dunhill International Superior Mild 100FHP.....	9	0.8	11
Rothmans KFHP.....	19	1.3	20
Rothmans Special Mild KFHP.....	14	1.0	16
St. Moritz Filter 100s 100FSP.....	15	1.1	15
St. Moritz Menthol Filter 100MSP.....	15	1.0	15

Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Alpine	$\bar{X}$	17.0±0.4	1.08±0.02	15.7±0.4	3.4±0.3	21.5±0.6	9.1±0.1
king size filter menthol	s	0.8	0.05	0.9	0.6	1.4	0.3
soft pack	CV	4.9	4.7	5.6	17.8	6.6	3.0
Belair	$\bar{X}$	10.4±0.2	0.82±0.02	9.8±0.2	1.2±0.1	12.4±0.3	7.1±0.1
king size filter menthol	s	0.5	0.05	0.5	0.2	0.7	0.2
soft pack	CV	5.1	5.6	4.9	13.1	5.6	3.4
Belair 100's	$\bar{X}$	8.6±0.3	0.66±0.02	9.2±0.4	0.9±0.05	10.1±0.3	8.6±0.1
100 mm filter menthol	s	0.6	0.05	0.8	0.1	0.7	0.3
soft pack	CV	6.6	7.1	8.6	12.8	7.1	2.9
Benson & Hedges	$\bar{X}$	15.1±0.4	1.18±0.02	11.5±0.3	2.0±0.1	18.2±0.5	9.5±0.1
king size filter	s	0.9	0.06	0.7	0.3	1.2	0.3
hard pack	CV	5.7	4.7	6.3	16.3	6.7	3.3
Benson & Hedges 100's	$\bar{X}$	16.8±0.2	1.16±0.02	16.1±0.4	2.2±0.1	20.2±0.3	10.3±0.1
100 mm filter	s	0.5	0.05	0.8	0.2	0.7	0.2
hard pack	CV	3.2	4.0	5.0	9.1	3.7	2.3
Benson & Hedges 100's	$\bar{X}$	16.3±0.3	1.13±0.02	15.1±0.4	2.1±0.1	19.5±0.4	10.2±0.1
100 mm filter menthol	s	0.6	0.04	0.9	0.2	0.8	0.3
hard pack	CV	3.7	3.5	5.7	10.6	4.2	2.9
Benson & Hedges 100's	$\bar{X}$	17.0±0.3	1.19±0.02	17.2±0.4	2.3±0.1	20.5±0.4	10.4±0.1
100 mm filter	s	0.7	0.04	0.8	0.3	1.0	0.3
soft pack	CV	4.1	3.6	4.8	12.5	4.7	2.7
Benson & Hedges 100's	$\bar{X}$	16.4±0.2	1.16±0.02	16.1±0.4	2.2±0.1	19.7±0.3	10.4±0.1
100 mm filter menthol	s	0.4	0.04	0.9	0.2	0.6	0.2
soft pack	CV	2.7	3.4	5.3	7.6	3.1	2.2
Benson & Hedges Deluxe	$\bar{X}$	5.8±0.3	0.49±0.02	7.1±0.4	0.6±0.04	6.8±0.3	9.1±0.1
Ultra Lights 100's 100 mm filter	s	0.6	0.05	0.8	0.1	0.7	0.3
hard pack	CV	10.0	10.4	11.3	14.3	10.1	3.1

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Benson & Hedges Deluxe Ultra Lights 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	5.4±0.2 0.5 9.0	0.49±0.02 0.04 8.9	6.2±0.4 0.8 13.4	0.5±0.03 0.1 12.9	6.4±0.3 0.6 8.9	9.8±0.2 0.4 3.8
Benson & Hedges Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	10.5±0.2 0.5 4.8	0.81±0.02 0.04 4.8	12.8±0.3 0.7 5.8	1.1±0.04 0.1 7.5	12.4±0.3 0.6 4.7	10.1±0.1 0.3 2.6
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	10.6±0.2 0.5 5.1	0.78±0.02 0.04 5.2	12.2±0.3 0.7 6.1	1.1±0.04 0.1 8.1	12.5±0.3 0.6 5.2	10.3±0.1 0.2 2.3
Benson & Hedges Multifilter king size filter soft pack	$\bar{X}$ s CV	12.1±0.2 0.6 4.6	0.87±0.02 0.05 5.7	11.6±0.3 0.7 5.7	1.7±0.1 0.1 8.5	14.7±0.3 0.7 4.8	8.6±0.1 0.2 2.9
Bright 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	6.7±0.1 0.3 4.5	0.49±0.02 0.04 7.5	10.7±0.2 0.6 5.2	0.6±0.02 0.04 6.0	7.8±0.2 0.3 4.3	9.3±0.2 0.4 4.6
Cambridge Full Flavor king size filter soft pack	$\bar{X}$ s CV	17.0±0.3 0.8 4.5	1.08±0.02 0.05 4.8	16.1±0.3 0.8 4.7	4.2±0.2 0.6 13.2	22.3±0.6 1.3 5.8	8.5±0.1 0.2 2.4
Cambridge Full Flavor 100's 100 mm filter soft pack	$\bar{X}$ s CV	17.2±0.3 0.7 4.2	1.15±0.02 0.04 3.4	15.9±0.4 0.8 5.0	2.7±0.1 0.3 12.2	21.0±0.5 1.0 5.0	9.2±0.1 0.2 2.5
Cambridge Lights king size filter soft pack	$\bar{X}$ s CV	12.2±0.2 0.5 4.1	0.84±0.02 0.04 4.8	12.5±0.3 0.8 6.0	1.6±0.1 0.2 12.2	14.6±0.3 0.7 4.8	8.4±0.1 0.3 3.5
Cambridge Lights king size filter menthol soft pack	$\bar{X}$ s CV	11.9±0.3 0.6 5.1	0.81±0.03 0.08 9.3	12.5±0.3 0.7 5.7	1.4±0.1 0.2 12.5	14.2±0.4 0.8 5.7	8.2±0.1 0.3 3.8

Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Cambridge Lights 100's 100 mm filter soft pack	$\bar{X}$	11.9±0.2	0.87±0.02	14.4±0.2	1.4±0.03	14.2±0.2	10.1±0.1
	s	0.4	0.04	0.5	0.1	0.5	0.3
	CV	3.6	4.4	3.7	5.5	3.6	2.6
Cambridge Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	11.8±0.2	0.86±0.01	14.0±0.3	1.2±0.04	13.9±0.2	10.1±0.1
	s	0.3	0.03	0.6	0.1	0.5	0.3
	CV	3.0	3.5	4.1	7.9	3.3	3.0
Camel regular size non-filter soft pack	$\bar{X}$	21.9±0.5	1.36±0.03	14.4±0.3	3.6±0.2	26.9±0.7	6.9±0.1
	s	1.0	0.06	0.7	0.4	1.5	0.2
	CV	4.7	4.6	4.9	11.9	5.5	3.3
Camel Filters king size filter hard pack	$\bar{X}$	16.5±0.2	1.03±0.01	16.3±0.3	3.7±0.2	21.2±0.4	8.2±0.1
	s	0.5	0.03	0.7	0.5	0.9	0.3
	CV	3.1	3.2	4.4	12.2	4.3	3.4
Camel Filters king size filter soft pack	$\bar{X}$	15.4±0.2	1.00±0.02	15.3±0.3	3.0±0.1	19.4±0.4	8.4±0.1
	s	0.5	0.04	0.7	0.3	0.8	0.2
	CV	3.3	4.0	4.6	10.3	4.1	2.3
Camel Filters 100 mm filter soft pack	$\bar{X}$	17.4±0.4	1.07±0.03	18.1±0.5	2.6±0.2	21.1±0.5	9.9±0.1
	s	0.9	0.06	1.1	0.3	1.2	0.3
	CV	4.9	5.7	6.2	13.2	5.8	3.0
Camel Lights king size filter hard pack	$\bar{X}$	9.6±0.2	0.61±0.01	11.7±0.2	1.1±0.1	11.4±0.2	7.6±0.1
	s	0.4	0.02	0.5	0.1	0.5	0.3
	CV	4.1	4.0	4.7	11.8	4.6	3.5
Camel Lights king size filter soft pack	$\bar{X}$	8.9±0.2	0.61±0.01	12.5±0.3	1.0±0.1	10.5±0.2	8.0±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	4.6	4.6	5.8	13.2	5.1	3.1
Camel Lights 100's 100 mm filter soft pack	$\bar{X}$	11.2±0.3	0.78±0.01	14.5±0.3	1.2±0.1	13.2±0.3	9.4±0.1
	s	0.6	0.03	0.7	0.1	0.7	0.2
	CV	5.1	4.1	4.7	10.3	5.4	2.5

Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Capri	$\bar{X}$	8.8±0.2	0.76±0.02	6.2±0.2	1.2±0.1	10.7±0.3	8.9±0.1
100 mm filter	s	0.4	0.04	0.4	0.2	0.6	0.2
hard pack	CV	4.8	5.3	6.4	16.0	5.5	2.6
Capri	$\bar{X}$	8.8±0.2	0.71±0.01	5.9±0.2	1.1±0.1	10.6±0.3	8.9±0.1
100 mm filter menthol	s	0.4	0.03	0.4	0.2	0.6	0.2
hard pack	CV	4.9	4.2	7.4	16.7	5.7	2.8
Carlton	$\bar{X}$	< 0.5	< 0.05	< 0.5		< 0.5	6.6±0.2
king size filter	s						0.4
hard pack	CV						5.9
Carlton	$\bar{X}$	1.1±0.1	0.13±0.01	2.0±0.1	0.1±0.01	1.3±0.1	7.0±0.2
king size filter	s	0.1	0.02	0.2	0.02	0.1	0.4
soft pack	CV	10.6	13.8	9.7	23.4	9.6	5.0
Carlton	$\bar{X}$	0.6±0.1	0.09±0.01	1.3±0.1	0.1±0.02	0.8±0.1	7.0±0.1
king size filter menthol	s	0.2	0.01	0.2	0.04	0.2	0.3
soft pack	CV	23.6	13.0	15.8	44.1	19.3	4.2
Carlton 100's	$\bar{X}$	0.8±0.1	0.11±0.01	1.1±0.1	0.1±0.01	1.0±0.1	8.3±0.1
100 mm filter	s	0.2	0.02	0.2	0.02	0.2	0.3
hard pack	CV	23.6	18.5	22.3	25.7	20.9	3.7
Carlton 100's	$\bar{X}$	0.7±0.1	0.10±0.01	0.9±0.1	0.1±0.01	0.9±0.1	8.4±0.1
100 mm filter menthol	s	0.2	0.01	0.2	0.02	0.2	0.3
hard pack	CV	25.1	12.8	16.5	32.7	21.9	3.3
Carlton 100's	$\bar{X}$	3.3±0.1	0.33±0.01	4.4±0.2	0.3±0.02	3.9±0.2	9.2±0.1
100 mm filter	s	0.3	0.03	0.4	0.04	0.3	0.2
soft pack	CV	8.9	9.5	9.7	12.8	8.7	2.5
Carlton 100's	$\bar{X}$	4.4±0.2	0.42±0.01	6.3±0.3	0.4±0.02	5.2±0.2	8.5±0.1
100 mm filter menthol	s	0.4	0.03	0.7	0.04	0.5	0.2
soft pack	CV	9.8	6.4	10.7	9.9	9.0	2.8

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Carlton 120's 120 mm filter soft pack	$\bar{X}$ s CV	5.9±0.2 0.4 6.8	0.57±0.01 0.03 5.1	5.0±0.2 0.5 9.6	0.6±0.03 0.1 12.0	7.0±0.2 0.5 6.4	10.9±0.1 0.2 2.2
Carlton 120's 120 mm filter menthol soft pack	$\bar{X}$ s CV	6.1±0.2 0.5 7.8	0.60±0.02 0.04 6.1	5.1±0.2 0.5 9.9	0.6±0.02 0.1 8.3	7.3±0.2 0.5 7.5	10.8±0.1 0.3 2.5
Century 25's (25) king size filter soft pack	$\bar{X}$ s CV	14.8±0.3 0.8 5.1	0.95±0.02 0.05 4.8	17.0±0.4 0.9 5.1	2.8±0.2 0.5 17.5	18.5±0.6 1.2 6.7	7.8±0.1 0.3 4.0
Century 25's 100's (25) 100 mm filter soft pack	$\bar{X}$ s CV	17.0±0.4 0.9 5.1	1.10±0.03 0.06 5.6	20.7±0.5 1.0 4.9	2.6±0.2 0.4 13.7	20.8±0.6 1.2 6.0	9.2±0.1 0.3 2.8
Century 25's Lights (25) king size filter soft pack	$\bar{X}$ s CV	9.7±0.2 0.6 5.7	0.68±0.01 0.03 4.9	11.9±0.2 0.5 4.3	1.2±0.1 0.1 11.4	11.6±0.3 0.7 6.1	7.9±0.1 0.2 2.6
Century 25's Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.8±0.2 0.4 3.2	0.85±0.01 0.03 3.9	13.7±0.4 0.8 5.7	1.3±0.1 0.1 10.6	14.0±0.2 0.5 3.6	9.3±0.2 0.4 3.9
Century 25's Menthol Lights 100's 100mm filter menthol soft pack	$\bar{X}$ s CV	11.9±0.3 0.7 5.6	0.84±0.02 0.04 4.8	13.6±0.3 0.7 5.0	1.3±0.1 0.1 10.0	14.0±0.4 0.8 5.7	9.3±0.1 0.3 3.2
Chesterfield regular size non-filter soft pack	$\bar{X}$ s CV	20.5±0.5 1.1 5.3	1.30±0.03 0.07 5.4	13.2±0.3 0.7 5.4	3.5±0.1 0.3 7.9	25.2±0.6 1.3 5.2	7.1±0.2 0.4 5.8
Chesterfield king size non-filter soft pack	$\bar{X}$ s CV	24.7±0.5 1.0 4.1	1.69±0.04 0.08 5.0	15.7±0.3 0.7 4.4	3.9±0.2 0.5 12.6	30.2±0.7 1.5 5.1	9.2±0.2 0.4 4.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Doral Full Flavor king size filter hard pack	$\bar{X}$ s CV	15.2±0.3 0.6 4.3	0.80±0.02 0.04 4.7	18.1±0.5 1.0 5.7	4.2±0.3 0.7 17.0	20.2±0.6 1.3 6.4	7.0±0.1 0.2 3.3
Doral Full Flavor king size filter soft pack	$\bar{X}$ s CV	17.8±0.2 0.4 2.4	0.91±0.01 0.03 3.3	19.5±0.4 0.9 4.9	4.5±0.2 0.4 8.8	23.2±0.3 0.7 3.1	7.7±0.2 0.4 4.9
Doral Full Flavor 100's 100 mm filter soft pack	$\bar{X}$ s CV	14.2±0.2 0.4 2.8	0.81±0.02 0.04 4.6	16.6±0.3 0.7 4.2	2.2±0.1 0.2 8.5	17.2±0.3 0.6 3.4	8.0±0.1 0.2 2.4
Doral Filter Lights king size filter soft pack	$\bar{X}$ s CV	12.3±0.3 0.6 4.7	0.66±0.02 0.05 7.0	15.0±0.4 0.9 6.1	2.6±0.2 0.4 16.7	15.5±0.4 1.0 6.5	6.6±0.1 0.2 3.2
Doral Menthol Filter Lights king size filter menthol soft pack	$\bar{X}$ s CV	11.7±0.2 0.5 4.0	0.62±0.02 0.04 6.0	14.1±0.3 0.7 5.0	2.2±0.1 0.3 11.8	14.5±0.3 0.7 4.9	6.2±0.1 0.2 3.9
Doral 100's Filter Lights 100 mm filter soft pack	$\bar{X}$ s CV	12.0±0.2 0.4 3.3	0.72±0.02 0.04 5.3	13.7±0.3 0.7 5.1	1.5±0.1 0.2 11.3	14.2±0.2 0.5 3.7	8.3±0.1 0.3 3.1
Doral Menthol Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	12.1±0.2 0.5 4.3	0.72±0.02 0.04 5.8	13.7±0.3 0.7 5.2	1.4±0.1 0.1 9.9	14.2±0.3 0.7 4.7	8.0±0.1 0.3 3.5
Doral Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	6.8±0.2 0.5 6.7	0.46±0.02 0.03 7.4	11.7±0.4 0.9 7.5	0.7±0.03 0.1 9.5	8.0±0.2 0.5 6.7	9.5±0.1 0.3 3.1
Eli Cutter king size filter soft pack	$\bar{X}$ s CV	16.1±0.2 0.5 3.3	1.10±0.03 0.06 5.6	15.4±0.2 0.5 3.4	2.9±0.2 0.3 11.8	20.1±0.4 0.9 4.3	8.7±0.1 0.3 3.3



**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Eli Cutter Lights	$\bar{X}$	12.1±0.3	0.93±0.02	13.4±0.3	1.4±0.1	14.5±0.4	8.6±0.1
king size filter	s	0.6	0.04	0.6	0.2	0.8	0.3
soft pack	CV	5.0	4.7	4.7	13.2	5.6	3.0
English Ovals	$\bar{X}$	24.2±0.6	1.84±0.05	15.3±0.4	3.2±0.2	29.3±0.8	10.5±0.2
king size non-filter	s	1.3	0.12	0.8	0.4	1.8	0.4
hard pack	CV	5.2	6.5	5.4	13.8	6.1	4.1
Eve Slim Lights 100's	$\bar{X}$	12.8±0.2	1.04±0.02	11.1±0.2	2.3±0.1	16.1±0.3	7.9±0.2
100 mm filter	s	0.4	0.04	0.5	0.3	0.7	0.4
hard pack	CV	3.4	4.0	4.7	14.6	4.5	4.5
Eve Slim Lights 100's	$\bar{X}$	12.8±0.3	1.03±0.02	10.9±0.3	2.3±0.2	16.2±0.5	7.8±0.1
100 mm filter menthol	s	0.6	0.05	0.6	0.4	1.0	0.3
hard pack	CV	4.6	5.1	5.8	18.1	6.3	3.4
Eve Lights 120's	$\bar{X}$	12.3±0.3	1.07±0.03	10.7±0.4	1.2±0.1	14.5±0.3	13.5±0.2
120 mm filter	s	0.6	0.07	0.9	0.1	0.7	0.4
hard pack	CV	4.7	6.8	8.2	9.8	5.0	3.2
Eve Lights 120's	$\bar{X}$	12.5±0.4	1.11±0.03	10.8±0.4	1.2±0.1	14.9±0.5	13.7±0.1
120 mm filter menthol	s	0.9	0.06	1.0	0.1	1.0	0.3
hard pack	CV	6.9	5.7	8.9	10.5	6.9	2.4
Falcon Lights	$\bar{X}$	11.1±0.2	0.77±0.02	10.9±0.2	1.3±0.05	13.2±0.2	7.4±0.1
king size filter	s	0.4	0.04	0.5	0.1	0.6	0.2
soft pack	CV	4.0	5.5	4.2	8.1	4.2	2.2
Falcon Lights	$\bar{X}$	10.5±0.3	0.78±0.02	12.1±0.4	1.4±0.2	12.6±0.5	6.5±0.1
king size filter menthol	s	0.7	0.05	1.0	0.3	1.1	0.3
soft pack	CV	6.7	5.8	8.2	24.3	8.4	4.5
Falcon Lights 100's	$\bar{X}$	12.6±0.2	0.87±0.02	15.2±0.4	1.4±0.1	14.9±0.3	8.7±0.1
100 mm filter	s	0.5	0.04	0.8	0.1	0.6	0.3
soft pack	CV	4.0	5.0	5.5	9.6	4.4	3.0

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Falcon Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	8.5±0.2 0.5 5.5	0.68±0.02 0.04 5.7	10.5±0.3 0.8 7.3	0.8±0.04 0.1 10.9	10.0±0.3 0.6 5.8	8.2±0.1 0.3 3.3
Fiesta king size filter soft pack	$\bar{X}$ s CV	16.1±0.2 0.5 3.1	0.71±0.01 0.03 4.1	18.4±0.3 0.7 3.7	4.0±0.2 0.5 12.9	20.9±0.4 0.9 4.2	7.4±0.1 0.3 3.5
Herbert Tareyton king size non-filter soft pack	$\bar{X}$ s CV	25.0±0.5 1.1 4.6	1.57±0.03 0.08 4.9	17.8±0.3 0.6 3.6	3.8±0.2 0.3 8.8	30.4±0.6 1.4 4.5	9.1±0.2 0.4 4.8
Hi-Lite 100 mm filter hard pack	$\bar{X}$ s CV	13.8±0.2 0.5 3.9	1.01±0.02 0.04 4.1	14.5±0.4 1.0 6.7	1.7±0.1 0.1 8.4	16.4±0.3 0.7 4.2	10.2±0.2 0.4 3.6
Kent Golden Lights king size filter hard pack	$\bar{X}$ s CV	9.6±0.3 0.6 6.7	0.84±0.02 0.05 6.4	10.5±0.4 1.0 9.3	1.3±0.1 0.2 16.7	11.8±0.4 0.9 7.6	6.9±0.1 0.1 2.2
Kent Golden Lights king size filter soft pack	$\bar{X}$ s CV	8.7±0.3 0.7 7.5	0.79±0.02 0.05 6.7	9.4±0.5 1.0 11.2	0.9±0.1 0.1 13.4	10.5±0.4 0.8 7.9	7.3±0.1 0.3 4.1
Kent Golden Lights king size filter menthol soft pack	$\bar{X}$ s CV	8.0±0.2 0.5 6.6	0.73±0.02 0.05 6.6	8.8±0.4 0.8 9.3	0.8±0.04 0.1 10.2	9.6±0.3 0.7 6.8	7.3±0.1 0.2 3.0
Kent Golden Lights 100s 100 mm filter hard pack	$\bar{X}$ s CV	9.9±0.3 0.7 6.8	0.91±0.02 0.05 5.4	10.6±0.5 1.1 10.3	1.0±0.04 0.1 9.0	11.9±0.4 0.8 6.7	9.2±0.1 0.2 2.2
Kent Golden Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	10.3±0.4 0.8 7.7	0.94±0.03 0.07 7.1	11.2±0.4 1.0 8.8	1.1±0.1 0.1 10.7	12.3±0.4 1.0 7.9	9.2±0.1 0.3 3.5

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kent Golden Lights 100s 100 mm filter menthol soft pack	$\bar{X}$	9.2±0.3	0.86±0.02	9.8±0.4	0.9±0.1	11.0±0.4	9.3±0.1
	s	0.6	0.05	0.8	0.1	0.8	0.2
	CV	6.9	5.9	8.3	13.5	7.3	2.1
Kent king size filter hard pack	$\bar{X}$	11.5±0.3	0.87±0.02	12.8±0.4	1.8±0.1	14.2±0.5	7.8±0.1
	s	0.8	0.05	0.8	0.3	1.0	0.3
	CV	6.7	6.3	6.3	14.2	7.3	3.9
Kent king size filter soft pack	$\bar{X}$	12.3±0.4	0.93±0.03	13.4±0.4	2.0±0.3	15.2±0.6	8.4±0.2
	s	0.8	0.06	0.9	0.6	1.4	0.4
	CV	6.6	6.1	7.0	29.8	9.4	5.1
Kent 100s 100 mm filter soft pack	$\bar{X}$	13.4±0.2	1.04±0.02	13.8±0.3	1.6±0.1	16.0±0.3	9.4±0.2
	s	0.5	0.04	0.7	0.2	0.8	0.4
	CV	4.0	4.2	5.4	14.3	4.8	4.5
Kent 100s 100 mm filter menthol soft pack	$\bar{X}$	13.6±0.3	1.00±0.03	14.4±0.3	1.6±0.1	16.2±0.3	9.1±0.1
	s	0.6	0.06	0.6	0.1	0.8	0.3
	CV	4.5	6.1	4.4	7.6	4.7	3.0
Kent III king size filter soft pack	$\bar{X}$	3.7±0.2	0.39±0.02	4.4±0.3	0.4±0.03	4.5±0.2	7.2±0.1
	s	0.4	0.05	0.6	0.1	0.5	0.3
	CV	11.3	11.7	13.4	14.0	11.2	4.3
Kent III 100s 100 mm filter hard pack	$\bar{X}$	4.9±0.2	0.48±0.02	6.3±0.3	0.5±0.02	5.9±0.2	8.7±0.1
	s	0.5	0.04	0.7	0.1	0.6	0.3
	CV	9.8	7.7	10.3	11.0	9.4	3.8
Kent III 100s 100 mm filter soft pack	$\bar{X}$	5.3±0.3	0.52±0.02	7.1±0.4	0.5±0.03	6.4±0.3	8.8±0.1
	s	0.6	0.05	0.9	0.1	0.7	0.3
	CV	11.0	8.9	13.3	12.4	10.6	3.2
Kim 25's 100 mm filter hard pack	$\bar{X}$	10.9±0.3	0.87±0.01	11.6±0.4	1.3±0.1	13.1±0.4	9.4±0.1
	s	0.6	0.03	0.9	0.3	0.9	0.2
	CV	5.6	3.7	7.7	21.1	6.7	2.6

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kim 25's	$\bar{X}$	9.3±0.2	0.78±0.02	9.9±0.2	1.1±0.04	11.2±0.2	8.9±0.1
100 mm filter menthol	s	0.4	0.04	0.5	0.1	0.4	0.2
hard pack	CV	3.8	4.7	5.3	8.1	3.7	2.2
Kool	$\bar{X}$	21.5±0.8	1.34±0.05	14.3±0.4	3.7±0.4	26.5±1.2	6.6±0.2
regular size non-filter menthol	s	1.9	0.10	0.8	0.8	2.6	0.4
soft pack	CV	8.8	7.7	5.6	22.6	9.9	6.7
Kool	$\bar{X}$	15.6±0.3	1.09±0.02	15.8±0.3	4.4±0.3	21.1±0.5	7.2±0.1
king size filter menthol	s	0.6	0.05	0.7	0.7	1.2	0.3
hard pack	CV	3.7	4.6	4.5	15.3	5.5	3.5
Kool	$\bar{X}$	16.9±0.4	1.18±0.03	16.5±0.4	4.1±0.3	22.2±0.7	7.5±0.2
king size filter menthol	s	0.9	0.07	0.9	0.6	1.5	0.3
soft pack	CV	5.2	6.1	5.2	14.8	6.7	4.6
Kool Super Longs 100's	$\bar{X}$	16.2±0.2	1.23±0.03	16.3±0.3	2.6±0.1	20.0±0.3	8.7±0.1
100 mm filter menthol	s	0.5	0.06	0.7	0.3	0.8	0.3
soft pack	CV	3.3	5.2	4.1	10.5	3.9	3.5
Kool Lights	$\bar{X}$	8.5±0.3	0.70±0.02	9.2±0.3	0.9±0.05	10.1±0.3	7.4±0.1
king size filter menthol	s	0.6	0.04	0.7	0.1	0.7	0.2
soft pack	CV	7.1	5.1	7.2	11.4	7.2	2.7
Kool Lights 100's	$\bar{X}$	8.7±0.5	0.73±0.03	9.8±0.5	0.8±0.1	10.3±0.6	9.2±0.1
100 mm filter menthol	s	1.0	0.07	1.0	0.2	1.2	0.3
soft pack	CV	11.6	9.6	10.5	22.7	12.1	3.3
Kool Milds	$\bar{X}$	11.5±0.3	0.86±0.02	11.1±0.3	1.6±0.2	13.9±0.5	7.7±0.1
king size filter menthol	s	0.7	0.04	0.7	0.3	1.0	0.3
hard pack	CV	5.9	4.5	6.3	20.6	7.3	4.2
Kool Milds	$\bar{X}$	11.9±0.3	0.92±0.02	12.6±0.3	1.7±0.1	14.6±0.4	7.5±0.2
king size filter menthol	s	0.6	0.05	0.7	0.2	0.9	0.5
soft pack	CV	5.3	5.5	5.5	14.2	6.0	6.6

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kool Milds 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.5±0.2 0.5 4.2	0.92±0.02 0.04 4.5	12.2±0.2 0.5 4.2	1.2±0.03 0.1 6.2	13.6±0.3 0.6 4.1	8.7±0.1 0.3 3.2
Kool Ultra king size filter menthol soft pack	$\bar{X}$ s CV	3.0±0.3 0.7 21.7	0.28±0.03 0.06 22.1	3.7±0.4 0.9 25.9	0.3±0.03 0.1 24.5	3.6±0.3 0.8 21.7	8.1±0.1 0.3 3.9
Kool Ultra 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	5.5±0.1 0.3 4.8	0.49±0.01 0.03 6.6	6.1±0.3 0.6 9.6	0.5±0.03 0.1 10.6	6.5±0.1 0.3 5.0	9.4±0.2 0.4 4.3
L & M king size filter hard pack	$\bar{X}$ s CV	13.9±0.3 0.6 4.3	1.09±0.02 0.05 4.5	13.3±0.3 0.8 5.7	3.5±0.3 0.6 18.5	18.5±0.5 1.2 6.3	7.4±0.1 0.2 3.1
L & M king size filter soft pack	$\bar{X}$ s CV	13.4±0.2 0.4 3.3	1.04±0.02 0.04 4.0	12.9±0.2 0.5 3.9	2.6±0.2 0.4 15.8	17.0±0.4 0.8 4.7	7.4±0.1 0.2 3.0
L & M Super 100 100 mm filter soft pack	$\bar{X}$ s CV	13.8±0.2 0.5 4.0	1.09±0.03 0.06 5.6	13.9±0.3 0.8 5.5	2.1±0.1 0.3 13.2	16.9±0.4 0.8 5.0	7.9±0.1 0.2 2.9
L & M Long Lights 100 mm filter soft pack	$\bar{X}$ s CV	7.6±0.2 0.5 6.1	0.79±0.02 0.05 6.7	6.2±0.2 0.5 7.7	0.6±0.03 0.1 9.8	9.1±0.3 0.6 6.2	9.8±0.2 0.4 4.4
L & M 30's Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	12.8±0.2 0.5 4.2	1.08±0.02 0.04 3.7	10.7±0.3 0.6 5.3	2.3±0.2 0.4 16.3	16.2±0.4 0.9 5.4	8.1±0.1 0.2 3.0
Lark king size filter soft pack	$\bar{X}$ s CV	13.3±0.1 0.3 2.2	1.05±0.02 0.05 4.9	12.2±0.3 0.7 5.4	2.8±0.2 0.4 13.0	17.1±0.3 0.6 3.6	7.2±0.1 0.2 3.3

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Lark 100's 100 mm filter soft pack	$\bar{X}$ s CV	14.8±0.3 0.7 4.4	1.20±0.03 0.07 5.5	14.5±0.4 0.8 5.5	2.6±0.2 0.3 13.6	18.6±0.4 1.0 5.4	8.8±0.2 0.4 4.6
Lark Lights king size filter soft pack	$\bar{X}$ s CV	13.1±0.2 0.5 3.7	1.01±0.02 0.04 3.8	12.8±0.4 0.8 6.2	3.0±0.2 0.5 15.8	17.1±0.4 1.0 5.6	6.8±0.1 0.2 2.7
Lark Light 100's 100 mm filter soft pack	$\bar{X}$ s CV	13.8±0.3 0.6 4.3	1.09±0.02 0.05 4.5	14.1±0.4 0.8 5.9	2.4±0.1 0.3 11.1	17.3±0.4 0.9 5.0	8.0±0.1 0.2 3.1
Lucky Strike regular size non-filter soft pack	$\bar{X}$ s CV	24.3±0.4 1.0 3.9	1.50±0.02 0.05 3.6	17.0±0.4 0.8 4.6	4.3±0.1 0.3 7.4	30.1±0.5 1.1 3.6	7.9±0.1 0.3 3.6
Lucky Strike king size filter hard pack	$\bar{X}$ s CV	11.7±0.2 0.5 4.6	0.88±0.02 0.04 5.0	12.6±0.3 0.7 5.4	1.4±0.1 0.1 9.7	14.0±0.3 0.7 4.9	8.0±0.1 0.3 3.9
Lucky Strike king size filter soft pack	$\bar{X}$ s CV	11.7±0.2 0.6 4.8	0.87±0.02 0.04 5.0	12.4±0.4 0.9 7.5	1.4±0.1 0.2 11.8	14.0±0.3 0.7 5.3	8.0±0.2 0.5 5.9
Lucky Strike Filters 100's 100 mm filter soft pack	$\bar{X}$ s CV	12.0±0.2 0.5 3.8	0.96±0.02 0.04 4.5	12.5±0.3 0.6 4.8	1.2±0.1 0.1 11.0	14.1±0.3 0.6 4.3	10.6±0.1 0.3 2.6
Lucky Strike Menthol 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.6±0.3 0.6 4.9	0.92±0.02 0.05 5.4	12.3±0.3 0.7 5.7	1.1±0.1 0.1 10.1	13.7±0.3 0.7 5.2	10.3±0.1 0.3 3.3
Lucky Strike Lights king size filter soft pack	$\bar{X}$ s CV	8.1±0.2 0.3 4.2	0.65±0.01 0.03 5.1	9.9±0.3 0.6 5.9	0.9±0.04 0.1 9.9	9.6±0.2 0.4 4.3	7.6±0.1 0.3 3.6

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Lucky Strike Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	9.2±0.2 0.5 5.1	0.75±0.02 0.04 5.8	10.3±0.3 0.7 6.7	0.9±0.03 0.1 8.4	10.8±0.3 0.6 5.2	10.1±0.2 0.4 3.5
Magna king size filter hard pack	$\bar{X}$ s CV	14.1±0.4 0.9 6.2	0.89±0.02 0.05 5.4	15.9±0.5 1.1 6.6	3.5±0.4 0.9 27.0	18.5±0.8 1.8 9.5	6.5±0.1 0.2 3.6
Magna king size filter soft pack	$\bar{X}$ s CV	14.2±0.3 0.6 4.0	0.93±0.02 0.04 3.9	14.9±0.3 0.6 4.0	2.7±0.1 0.3 12.3	17.8±0.4 0.9 5.0	7.1±0.1 0.2 2.1
Magna Lites king size filter soft pack	$\bar{X}$ s CV	9.0±0.1 0.3 3.6	0.62±0.01 0.03 4.8	13.2±0.2 0.5 4.0	1.0±0.04 0.1 8.0	10.6±0.2 0.4 3.8	7.4±0.1 0.2 2.6
Malibu 100's 100 mm filter soft pack	$\bar{X}$ s CV	12.0±0.5 1.2 9.7	0.96±0.04 0.08 8.6	12.9±0.5 1.2 9.2	1.2±0.1 0.3 24.9	14.2±0.7 1.5 10.5	10.4±0.1 0.2 1.9
Malibu Menthol 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	11.5±0.2 0.6 4.8	0.94±0.02 0.05 5.3	11.7±0.4 0.9 7.3	1.1±0.05 0.1 9.7	13.5±0.3 0.7 5.1	10.6±0.1 0.3 3.1
Malibu Light's 100's 100 mm filter soft pack	$\bar{X}$ s CV	8.7±0.2 0.4 4.4	0.75±0.02 0.03 4.5	10.0±0.3 0.6 5.8	0.8±0.02 0.1 7.0	10.3±0.2 0.5 4.5	10.6±0.2 0.4 3.7
Marlboro king size filter hard pack	$\bar{X}$ s CV	16.3±0.3 0.7 4.3	1.08±0.02 0.05 4.5	14.9±0.4 0.8 5.3	3.5±0.2 0.5 15.4	20.9±0.5 1.2 5.7	8.4±0.1 0.3 3.3
Marlboro king size filter soft pack	$\bar{X}$ s CV	16.8±0.2 0.5 3.2	1.11±0.02 0.04 3.8	15.8±0.3 0.8 5.0	3.3±0.2 0.4 12.5	21.2±0.4 0.9 4.4	9.0±0.1 0.2 2.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro king size filter menthol soft pack	$\bar{X}$	16.8±0.2	1.09±0.01	15.6±0.3	3.3±0.2	21.2±0.4	9.0±0.1
	s	0.5	0.03	0.6	0.3	0.8	0.2
	CV	3.0	3.0	3.6	10.5	3.8	2.6
Marlboro 100's 100 mm filter hard pack	$\bar{X}$	16.6±0.3	1.16±0.02	16.5±0.5	2.3±0.1	20.0±0.4	10.2±0.1
	s	0.6	0.04	1.1	0.3	0.9	0.3
	CV	3.5	3.6	6.4	11.7	4.2	3.2
Marlboro 100's 100 mm filter soft pack	$\bar{X}$	16.9±0.3	1.17±0.02	16.6±0.5	2.3±0.1	20.4±0.4	10.6±0.1
	s	0.7	0.05	1.1	0.2	0.9	0.3
	CV	3.9	3.9	6.5	10.6	4.4	2.7
Marlboro 25's king size filter soft pack	$\bar{X}$	16.9±0.4	1.07±0.02	15.6±0.4	3.5±0.3	21.5±0.6	9.1±0.1
	s	0.8	0.05	0.9	0.6	1.4	0.3
	CV	5.0	5.1	5.5	18.0	6.5	3.3
Marlboro Lights king size filter hard pack	$\bar{X}$	10.7±0.2	0.77±0.01	11.9±0.2	1.3±0.04	12.8±0.2	8.2±0.1
	s	0.3	0.03	0.5	0.1	0.4	0.2
	CV	3.3	4.3	4.1	7.4	3.5	2.4
Marlboro Lights king size filter soft pack	$\bar{X}$	11.2±0.2	0.80±0.01	12.1±0.4	1.4±0.1	13.4±0.3	8.4±0.1
	s	0.5	0.03	0.9	0.3	0.7	0.3
	CV	4.2	3.8	7.7	18.7	5.4	3.5
Marlboro Lights king size filter menthol soft pack	$\bar{X}$	11.0±0.2	0.79±0.02	12.1±0.3	1.4±0.1	13.2±0.3	7.9±0.2
	s	0.5	0.04	0.6	0.2	0.7	0.4
	CV	4.6	4.9	4.7	11.6	5.0	4.7
Marlboro Lights 100's 100 mm filter hard pack	$\bar{X}$	10.9±0.2	0.82±0.01	12.9±0.4	1.2±0.03	12.8±0.2	10.1±0.1
	s	0.4	0.03	0.8	0.1	0.5	0.3
	CV	3.8	4.1	6.3	5.8	3.7	2.7
Marlboro Lights 100's 100 mm filter soft pack	$\bar{X}$	11.2±0.2	0.83±0.02	13.2±0.3	1.2±0.04	13.3±0.2	10.2±0.1
	s	0.4	0.03	0.6	0.1	0.5	0.3
	CV	3.6	4.2	4.9	7.3	3.7	3.1



**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	10.0±0.2 0.5 5.0	0.78±0.02 0.04 4.8	11.7±0.2 0.6 4.7	1.0±0.03 0.1 7.3	11.8±0.3 0.6 5.0	9.2±0.1 0.2 2.5
Marlboro Lights 25's king size filter soft pack	$\bar{X}$ s CV	11.3±0.2 0.4 3.2	0.79±0.02 0.03 4.4	12.2±0.3 0.7 5.6	1.4±0.1 0.1 8.6	13.4±0.2 0.5 3.5	8.6±0.1 0.2 2.0
Marlboro 100 Red 100 mm filter hard pack	$\bar{X}$ s CV	16.8±0.2 0.4 2.6	1.19±0.02 0.03 2.9	17.0±0.3 0.7 4.3	2.2±0.1 0.2 9.2	20.2±0.3 0.6 3.1	10.4±0.1 0.3 3.1
Marlboro 100 Red 100 mm filter soft pack	$\bar{X}$ s CV	16.7±0.3 0.6 3.8	1.18±0.02 0.04 3.4	16.0±0.3 0.7 4.1	2.3±0.1 0.3 14.4	20.1±0.4 1.0 4.8	10.4±0.1 0.3 2.4
Max 120s 120 mm filter soft pack	$\bar{X}$ s CV	17.7±0.3 0.7 4.2	1.45±0.03 0.08 5.4	16.7±0.5 1.0 6.1	2.8±0.2 0.4 15.9	21.9±0.5 1.2 5.5	10.9±0.2 0.4 4.1
Max 120s 120 mm filter menthol soft pack	$\bar{X}$ s CV	18.2±0.4 0.9 5.0	1.51±0.02 0.05 3.6	16.8±0.5 1.2 7.0	3.0±0.2 0.5 17.7	22.7±0.6 1.4 6.3	10.8±0.2 0.4 3.4
Merit king size filter hard pack	$\bar{X}$ s CV	8.2±0.2 0.4 4.8	0.63±0.01 0.03 4.8	10.1±0.3 0.6 6.0	0.9±0.03 0.1 6.8	9.7±0.2 0.4 4.6	7.9±0.1 0.2 2.6
Merit king size filter soft pack	$\bar{X}$ s CV	8.2±0.2 0.4 4.6	0.62±0.01 0.03 4.8	10.0±0.3 0.7 6.6	0.9±0.04 0.1 9.0	9.8±0.2 0.5 4.8	8.1±0.1 0.2 2.9
Merit king size filter menthol soft pack	$\bar{X}$ s CV	7.8±0.2 0.5 6.4	0.59±0.01 0.03 5.5	9.7±0.2 0.5 4.9	0.9±0.04 0.1 10.7	9.3±0.3 0.6 6.5	8.2±0.1 0.3 3.1

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Merit 100's 100 mm filter soft pack	$\bar{X}$ s CV	9.9±0.2 0.4 4.0	0.78±0.02 0.04 5.6	11.8±0.3 0.6 5.1	1.1±0.04 0.1 7.3	11.7±0.2 0.5 4.2	9.8±0.1 0.2 2.4
Merit 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	10.0±0.2 0.5 5.1	0.76±0.02 0.04 4.6	11.6±0.2 0.5 4.7	1.1±0.05 0.1 9.8	11.8±0.3 0.6 5.2	10.2±0.1 0.3 2.7
Merit Ultra Lights king size filter soft pack	$\bar{X}$ s CV	5.2±0.2 0.4 7.3	0.46±0.02 0.04 8.6	6.7±0.3 0.6 9.4	0.5±0.02 0.1 11.5	6.2±0.2 0.5 7.5	8.1±0.1 0.3 3.7
Merit Ultra Lights king size filter menthol soft pack	$\bar{X}$ s CV	4.7±0.1 0.3 6.8	0.41±0.01 0.03 6.7	5.8±0.2 0.5 8.8	0.4±0.02 0.04 9.5	5.5±0.2 0.4 6.5	8.3±0.1 0.3 3.3
Merit Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	5.6±0.1 0.2 3.8	0.50±0.01 0.03 5.1	7.5±0.2 0.4 4.9	0.5±0.02 0.04 7.3	6.6±0.1 0.2 3.6	9.7±0.1 0.2 2.2
Merit Ultra Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	5.4±0.1 0.3 6.1	0.49±0.01 0.03 6.1	7.4±0.2 0.3 4.7	0.5±0.03 0.1 12.8	6.4±0.2 0.4 6.3	10.2±0.2 0.4 3.6
More 120s 120 mm filter soft pack	$\bar{X}$ s CV	16.6±0.3 0.6 3.7	1.15±0.02 0.04 3.6	21.1±0.5 1.1 5.1	1.8±0.1 0.2 9.3	19.6±0.4 0.8 4.0	12.5±0.2 0.3 2.7
More 120s 120 mm filter menthol soft pack	$\bar{X}$ s CV	16.9±0.5 1.0 6.1	1.25±0.03 0.07 5.5	21.3±0.7 1.5 6.9	1.9±0.1 0.2 11.8	20.1±0.6 1.3 6.5	12.3±0.2 0.5 3.7
More Lights 100s 100 mm filter hard pack	$\bar{X}$ s CV	9.5±0.3 0.6 6.7	0.74±0.02 0.05 6.8	9.8±0.3 0.7 7.3	1.0±0.1 0.1 11.0	11.2±0.4 0.8 7.0	9.8±0.1 0.3 2.8

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
More Lights 100s 100 mm filter menthol hard pack	$\bar{X}$ s CV	8.9±0.2 0.5 6.2	0.66±0.01 0.03 4.1	9.8±0.4 0.8 8.3	0.9±0.1 0.1 13.1	10.4±0.3 0.7 6.4	9.4±0.1 0.3 2.8
More Lights 120s 120 mm filter soft pack	$\bar{X}$ s CV	12.0±0.3 0.7 5.6	0.89±0.02 0.04 4.1	19.1±0.4 1.0 5.2	1.2±0.04 0.1 7.1	14.1±0.3 0.8 5.4	12.6±0.2 0.4 3.2
More Lights 120s 120 mm filter menthol soft pack	$\bar{X}$ s CV	11.8±0.2 0.6 4.7	0.91±0.02 0.05 5.0	19.2±0.5 1.1 5.6	1.2±0.04 0.1 7.8	13.9±0.3 0.7 4.9	12.7±0.2 0.5 3.9
Newport king size filter menthol hard pack	$\bar{X}$ s CV	16.6±0.3 0.6 3.4	1.28±0.02 0.05 3.7	16.9±0.4 1.0 5.8	4.5±0.3 0.6 14.4	22.4±0.5 1.2 5.3	7.7±0.1 0.3 3.8
Newport king size filter menthol soft pack	$\bar{X}$ s CV	17.3±0.2 0.5 3.1	1.33±0.02 0.04 2.8	17.7±0.3 0.6 3.2	4.4±0.2 0.5 10.5	23.0±0.4 0.9 4.1	8.1±0.2 0.3 4.2
Newport 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	19.3±0.3 0.6 3.2	1.53±0.03 0.06 3.7	19.0±0.3 0.7 3.8	3.1±0.1 0.3 10.4	23.9±0.4 0.8 3.5	9.0±0.1 0.2 2.3
Newport 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	19.4±0.3 0.7 3.4	1.53±0.03 0.06 3.8	18.9±0.4 0.9 4.7	3.2±0.1 0.3 8.9	24.2±0.4 0.9 3.9	9.0±0.1 0.2 2.7
Newport (25) king size filter menthol soft pack	$\bar{X}$ s CV	16.8±0.3 0.6 3.7	1.29±0.03 0.07 5.3	17.0±0.4 1.0 5.9	4.4±0.3 0.6 14.9	22.5±0.5 1.2 5.4	7.9±0.1 0.3 4.0
Newport 100's (25) 100 mm filter menthol soft pack	$\bar{X}$ s CV	19.6±0.3 0.6 3.0	1.55±0.03 0.06 3.8	19.0±0.4 0.8 4.4	3.4±0.1 0.3 8.6	24.5±0.4 0.8 3.4	9.1±0.1 0.2 2.8

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Newport Lights king size filter menthol hard pack	$\bar{X}$ s CV	9.2±0.2 0.4 4.7	0.84±0.02 0.04 5.0	10.1±0.3 0.8 7.5	1.1±0.1 0.1 11.7	11.2±0.3 0.6 5.2	6.9±0.1 0.2 3.2
Newport Lights king size filter menthol soft pack	$\bar{X}$ s CV	9.0±0.2 0.5 5.2	0.82±0.02 0.04 5.1	9.9±0.3 0.7 6.6	1.0±0.1 0.2 15.2	10.9±0.3 0.6 5.9	7.4±0.1 0.3 4.0
Newport Lights 100's 100 mm filter menthol hard pack	$\bar{X}$ s CV	10.2±0.3 0.6 6.1	0.97±0.03 0.06 6.0	10.8±0.4 1.0 8.8	1.1±0.1 0.1 11.8	12.3±0.3 0.8 6.3	9.4±0.1 0.2 2.4
Newport Lights 100's 100 mm filter menthol soft pack	$\bar{X}$ s CV	9.4±0.2 0.5 5.3	0.87±0.02 0.05 5.7	9.9±0.3 0.7 7.3	1.0±0.04 0.1 9.8	11.3±0.3 0.6 5.6	9.3±0.1 0.3 2.8
Now king size filter hard pack	$\bar{X}$ s CV	< 0.5	< 0.05	< 0.5		< 0.5	6.6±0.2 0.4 6.4
Now king size filter soft pack	$\bar{X}$ s CV	1.0±0.1 0.1 14.0	0.13±0.01 0.02 11.7	2.0±0.1 0.1 7.1	0.1±0.03 0.1 65.0	1.3±0.1 0.2 13.0	6.9±0.2 0.3 5.0
Now king size filter menthol soft pack	$\bar{X}$ s CV	1.1±0.1 0.2 15.4	0.13±0.01 0.02 13.1	2.2±0.1 0.2 10.4	0.1±0.01 0.03 24.1	1.3±0.1 0.2 14.5	6.9±0.1 0.3 3.9
Now 100s 100 mm filter soft pack	$\bar{X}$ s CV	2.1±0.1 0.3 12.3	0.23±0.01 0.03 12.7	3.4±0.2 0.5 14.1	0.2±0.02 0.03 20.3	2.6±0.1 0.3 11.7	7.9±0.1 0.2 3.0
Now 100s 100 mm filter menthol soft pack	$\bar{X}$ s CV	2.7±0.1 0.2 6.6	0.27±0.01 0.02 7.0	4.5±0.2 0.4 8.0	0.2±0.01 0.03 11.4	3.2±0.1 0.2 6.1	7.7±0.1 0.2 2.9

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Old Gold Straights king size non-filter soft pack	$\bar{X}$ s CV	26.9±0.4 0.8 3.0	1.91±0.03 0.07 3.9	18.8±0.3 0.7 3.7	4.9±0.2 0.4 8.0	33.7±0.5 1.2 3.5	8.9±0.1 0.3 3.1
Old Gold Filters king size filter soft pack	$\bar{X}$ s CV	17.5±0.4 0.8 4.6	1.34±0.03 0.07 5.0	18.2±0.4 1.0 5.3	4.6±0.3 0.7 16.3	23.4±0.7 1.6 6.7	8.1±0.2 0.4 4.8
Old Gold Filter 100's 100 mm filter soft pack	$\bar{X}$ s CV	19.7±0.3 0.7 3.5	1.52±0.03 0.07 4.8	19.5±0.4 0.8 4.2	3.4±0.1 0.3 8.4	24.6±0.4 0.9 3.8	9.0±0.1 0.2 2.5
Old Gold Lights king size filter soft pack	$\bar{X}$ s CV	9.7±0.2 0.5 4.9	0.87±0.02 0.04 4.5	11.2±0.3 0.7 6.1	1.2±0.1 0.1 10.9	11.7±0.3 0.6 5.4	6.9±0.1 0.3 4.4
Old Gold Lights 100s 100 mm filter soft pack	$\bar{X}$ s CV	13.0±0.2 0.5 3.9	1.02±0.02 0.04 4.0	16.7±0.3 0.8 4.5	1.7±0.1 0.2 9.4	15.7±0.3 0.7 4.3	9.0±0.1 0.3 2.9
Pall Mall king size non-filter soft pack	$\bar{X}$ s CV	23.7±0.4 0.9 3.7	1.54±0.02 0.05 3.2	16.1±0.3 0.7 4.4	3.3±0.1 0.2 7.4	28.6±0.5 1.1 3.9	9.6±0.1 0.3 3.0
Pall Mall 25's king size non-filter soft pack	$\bar{X}$ s CV	23.6±0.5 1.1 4.5	1.54±0.03 0.07 4.7	16.2±0.4 0.8 4.9	3.4±0.1 0.3 9.8	28.6±0.6 1.4 5.0	9.3±0.1 0.3 3.1
Pall Mall 100's 100 mm filter soft pack	$\bar{X}$ s CV	16.7±0.4 0.8 4.8	1.24±0.02 0.05 4.0	16.8±0.5 1.0 6.1	2.7±0.2 0.5 17.0	20.7±0.6 1.3 6.1	9.6±0.1 0.3 3.0
Pall Mall Unfiltered Lights king size non-filter soft pack	$\bar{X}$ s CV	16.2±0.9 2.0 12.6	1.10±0.04 0.08 7.6	12.0±1.0 2.2 18.4	1.7±0.2 0.4 26.2	19.0±1.1 2.6 13.4	9.2±0.2 0.4 4.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Pall Mall Light 100's 100 mm filter soft pack	$\bar{X}$	10.4±0.2	0.83±0.02	12.0±0.4	1.0±0.04	12.2±0.3	9.8±0.1
	s	0.5	0.04	0.8	0.1	0.6	0.3
	CV	5.0	4.8	6.6	8.4	5.1	3.1
Pall Mall Light 100's Low Tar 100 mm filter menthol soft pack	$\bar{X}$	13.3±0.2	1.06±0.02	12.9±0.3	2.0±0.1	16.3±0.4	8.7±0.1
	s	0.5	0.04	0.7	0.3	0.8	0.3
	CV	3.7	3.9	5.1	15.8	4.9	2.9
Pall Mall Red king size filter soft pack	$\bar{X}$	13.8±0.3	1.02±0.02	12.9±0.3	2.3±0.2	17.0±0.4	9.2±0.1
	s	0.6	0.05	0.7	0.3	1.0	0.3
	CV	4.4	4.5	5.5	15.2	5.6	2.8
Pall Mall Red 100 mm filter soft pack	$\bar{X}$	13.6±0.3	1.04±0.02	14.0±0.3	1.5±0.1	16.1±0.4	10.3±0.2
	s	0.6	0.05	0.6	0.2	0.8	0.5
	CV	4.2	4.7	4.5	13.4	5.0	4.7
Parliament Lights king size filter hard pack	$\bar{X}$	9.1±0.2	0.68±0.01	9.7±0.2	1.1±0.1	10.9±0.3	7.5±0.1
	s	0.5	0.03	0.5	0.1	0.6	0.2
	CV	5.3	4.0	5.4	13.7	5.8	3.1
Parliament Lights king size filter soft pack	$\bar{X}$	9.3±0.3	0.70±0.02	10.4±0.4	1.0±0.1	11.1±0.3	8.0±0.1
	s	0.6	0.04	0.8	0.1	0.8	0.3
	CV	6.4	5.6	8.0	13.8	6.9	3.2
Parliament Lights 100's 100 mm filter soft pack	$\bar{X}$	12.4±0.2	0.95±0.02	13.1±0.4	1.4±0.1	14.8±0.3	10.0±0.1
	s	0.6	0.04	0.9	0.1	0.7	0.3
	CV	4.5	4.1	6.5	8.8	4.7	2.6
Philip Morris regular size non-filter soft pack	$\bar{X}$	22.7±0.4	1.34±0.02	13.3±0.3	4.1±0.2	28.1±0.6	7.8±0.1
	s	0.9	0.04	0.7	0.5	1.3	0.3
	CV	4.1	2.8	4.9	11.1	4.7	3.9
Philip Morris Commander king size non-filter soft pack	$\bar{X}$	27.2±0.5	1.65±0.03	16.3±0.4	4.5±0.2	33.3±0.8	9.8±0.2
	s	1.2	0.07	0.9	0.5	1.7	0.4
	CV	4.4	4.3	5.8	11.7	5.2	3.9

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Philip Morris Blues king size filter menthol soft pack	$\bar{X}$	16.9±0.3	1.18±0.02	16.0±0.3	4.3±0.3	22.4±0.6	7.6±0.1
	s	0.6	0.05	0.6	0.7	1.2	0.2
	CV	3.4	4.0	3.8	15.2	5.5	3.0
Philip Morris Blues 100 mm filter menthol soft pack	$\bar{X}$	15.5±0.2	1.15±0.02	15.6±0.4	2.3±0.1	18.9±0.3	8.5±0.1
	s	0.5	0.04	0.8	0.3	0.8	0.3
	CV	3.2	3.6	5.2	12.4	4.0	3.1
Philip Morris International 100 mm filter hard pack	$\bar{X}$	17.8±0.2	1.20±0.01	16.7±0.4	2.4±0.1	21.4±0.3	10.8±0.1
	s	0.4	0.03	0.9	0.2	0.7	0.3
	CV	2.5	2.7	5.3	9.8	3.1	2.7
Philip Morris International 100 mm filter menthol hard pack	$\bar{X}$	16.8±0.3	1.13±0.02	15.5±0.4	2.4±0.1	20.3±0.4	10.6±0.1
	s	0.6	0.04	0.9	0.3	0.9	0.3
	CV	3.8	3.3	5.6	11.8	4.5	2.4
Players regular size non-filter hard pack	$\bar{X}$	25.2±0.5	1.66±0.04	16.0±0.3	3.6±0.2	30.5±0.8	8.5±0.2
	s	1.2	0.08	0.7	0.5	1.7	0.4
	CV	4.6	4.9	4.7	14.3	5.6	4.4
Players king size filter hard pack	$\bar{X}$	11.6±0.2	0.81±0.01	12.1±0.4	1.5±0.1	14.0±0.3	8.1±0.1
	s	0.5	0.03	0.8	0.3	0.7	0.3
	CV	4.0	3.9	6.5	18.6	5.2	4.0
Players king size filter menthol hard pack	$\bar{X}$	11.9±0.2	0.81±0.01	12.2±0.2	1.6±0.1	14.3±0.3	8.3±0.1
	s	0.5	0.03	0.5	0.2	0.7	0.3
	CV	4.2	4.1	4.1	11.2	4.6	3.8
Players 100's 100 mm filter hard pack	$\bar{X}$	14.0±0.2	0.98±0.01	12.8±0.3	1.7±0.05	16.6±0.2	9.4±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.3
	CV	2.9	3.3	5.4	6.4	2.9	2.9
Players 100's 100 mm filter menthol hard pack	$\bar{X}$	14.4±0.3	1.00±0.02	13.0±0.4	1.8±0.1	17.2±0.4	9.3±0.1
	s	0.7	0.05	1.0	0.2	1.0	0.2
	CV	5.0	4.6	7.3	12.5	5.6	2.3

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Players Lights 25's king size filter soft pack	$\bar{X}$	10.2±0.2	0.72±0.01	11.2±0.3	1.2±0.04	12.0±0.3	8.1±0.1
	s	0.5	0.03	0.6	0.1	0.6	0.3
	CV	4.8	3.9	5.3	8.3	4.8	3.8
Players Lights 25's king size filter menthol soft pack	$\bar{X}$	10.1±0.3	0.72±0.02	11.0±0.3	1.2±0.1	12.0±0.3	8.1±0.1
	s	0.6	0.03	0.7	0.2	0.8	0.2
	CV	5.6	4.7	6.6	15.3	6.3	2.5
Players 25's Lights 100's 100 mm filter soft pack	$\bar{X}$	11.8±0.2	0.85±0.01	13.8±0.3	1.3±0.04	13.9±0.2	10.2±0.1
	s	0.4	0.03	0.7	0.1	0.5	0.2
	CV	3.8	3.7	5.1	7.6	3.9	2.1
Players 25's Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	11.4±0.2	0.82±0.01	13.4±0.2	1.2±0.04	13.4±0.2	10.3±0.1
	s	0.4	0.03	0.4	0.1	0.5	0.2
	CV	3.8	3.3	3.3	8.2	3.9	2.0
Raleigh king size non-filter soft pack	$\bar{X}$	24.0±0.4	1.38±0.03	17.0±0.4	3.8±0.2	29.2±0.6	8.4±0.1
	s	0.9	0.06	0.8	0.3	1.3	0.2
	CV	3.8	4.5	4.9	9.0	4.3	2.6
Raleigh king size filter soft pack	$\bar{X}$	15.0±0.2	0.96±0.02	14.5±0.3	3.6±0.2	19.6±0.3	7.5±0.1
	s	0.4	0.04	0.7	0.4	0.7	0.2
	CV	2.5	3.6	5.1	12.4	3.8	3.2
Raleigh 100's 100 mm filter soft pack	$\bar{X}$	15.3±0.3	0.99±0.02	16.2±0.3	2.7±0.1	18.9±0.4	8.2±0.1
	s	0.7	0.05	0.6	0.3	0.9	0.3
	CV	4.4	5.0	3.6	11.6	5.0	3.6
Raleigh Lights king size filter soft pack	$\bar{X}$	11.6±0.2	0.86±0.01	13.5±0.3	1.5±0.1	13.9±0.3	8.1±0.1
	s	0.5	0.03	0.7	0.2	0.7	0.3
	CV	4.5	3.8	5.4	11.6	5.0	3.2
Raleigh Lights 100's 100 mm filter soft pack	$\bar{X}$	11.2±0.3	0.86±0.02	13.3±0.4	1.2±0.04	13.2±0.3	9.2±0.1
	s	0.6	0.05	0.9	0.1	0.7	0.2
	CV	5.3	5.5	6.5	7.4	5.3	2.1



**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Richland (25) king size filter soft pack	$\bar{X}$	16.6±0.3	1.16±0.03	15.7±0.3	3.3±0.3	21.1±0.6	8.6±0.1
	s	0.7	0.06	0.8	0.7	1.4	0.3
	CV	4.3	4.9	4.8	19.8	6.5	3.9
Richland (25) king size filter menthol soft pack	$\bar{X}$	16.4±0.3	1.09±0.02	16.1±0.3	3.9±0.3	21.4±0.6	7.3±0.1
	s	0.7	0.05	0.6	0.7	1.3	0.2
	CV	4.4	4.6	4.0	17.3	6.2	2.5
Richland (25) 100's 100 mm filter soft pack	$\bar{X}$	17.7±0.3	1.31±0.02	17.2±0.4	2.3±0.1	21.3±0.3	10.7±0.1
	s	0.6	0.04	0.9	0.2	0.8	0.3
	CV	3.2	3.4	5.4	9.5	3.6	2.4
Richland (25) 100's 100 mm filter menthol soft pack	$\bar{X}$	16.2±0.2	1.18±0.03	16.6±0.3	2.8±0.2	20.2±0.4	8.7±0.1
	s	0.5	0.06	0.7	0.4	0.9	0.2
	CV	3.4	5.3	4.1	13.4	4.6	2.0
Richland Lights (25) king size filter soft pack	$\bar{X}$	10.8±0.2	0.79±0.02	12.5±0.2	1.3±0.1	12.9±0.2	7.7±0.1
	s	0.4	0.04	0.5	0.1	0.5	0.3
	CV	3.7	5.3	4.3	9.0	3.7	4.2
Richland Lights (25) 100's 100 mm filter soft pack	$\bar{X}$	12.4±0.2	0.92±0.02	14.4±0.4	1.3±0.04	14.6±0.3	9.4±0.1
	s	0.5	0.05	0.8	0.1	0.6	0.3
	CV	4.1	5.4	5.7	6.4	4.2	3.2
Ritz 100 100 mm filter hard pack	$\bar{X}$	11.7±0.2	0.83±0.02	13.0±0.2	1.3±0.1	13.8±0.3	9.4±0.1
	s	0.5	0.05	0.5	0.1	0.7	0.3
	CV	4.6	6.0	4.0	9.5	4.9	3.0
Ritz 100 100 mm filter menthol hard pack	$\bar{X}$	11.5±0.2	0.80±0.02	11.7±0.2	1.1±0.03	13.4±0.2	9.8±0.1
	s	0.4	0.03	0.5	0.1	0.5	0.3
	CV	3.4	4.3	4.6	6.8	3.6	2.7
Salem king size filter menthol soft pack	$\bar{X}$	15.7±0.3	0.97±0.02	18.4±0.4	3.6±0.2	20.3±0.5	7.5±0.1
	s	0.7	0.05	0.9	0.4	1.2	0.2
	CV	4.7	4.9	4.7	12.1	5.8	2.8

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Salem 100's	$\bar{X}$	16.6±0.2	1.13±0.02	17.9±0.4	2.1±0.1	19.8±0.3	9.4±0.1
100 mm filter menthol	s	0.4	0.04	0.9	0.2	0.6	0.3
soft pack	CV	2.6	3.5	5.1	7.4	3.0	3.0
Salem Lights	$\bar{X}$	9.7±0.3	0.70±0.02	12.5±0.3	1.1±0.1	11.5±0.4	7.3±0.1
king size filter menthol	s	0.6	0.04	0.7	0.2	0.8	0.3
soft pack	CV	5.9	5.9	5.6	18.4	6.8	3.7
Salem Lights 100's	$\bar{X}$	10.8±0.2	0.82±0.02	11.7±0.2	1.1±0.1	12.7±0.3	9.1±0.1
100 mm filter menthol	s	0.5	0.04	0.6	0.1	0.6	0.3
hard pack	CV	4.5	4.7	4.8	12.1	5.0	2.9
Salem Lights 100's	$\bar{X}$	9.3±0.2	0.73±0.02	11.4±0.3	0.9±0.03	10.9±0.2	9.3±0.1
100 mm filter menthol	s	0.4	0.04	0.7	0.1	0.5	0.3
soft pack	CV	4.2	5.9	6.3	8.4	4.4	3.0
Salem Slim Lights 100's	$\bar{X}$	9.1±0.2	0.72±0.02	9.8±0.2	1.0±0.05	10.8±0.2	8.9±0.1
100 mm filter menthol	s	0.4	0.03	0.4	0.1	0.5	0.3
hard pack	CV	4.7	4.7	4.5	10.9	5.0	3.4
Salem Ultra Lights	$\bar{X}$	5.1±0.1	0.42±0.01	7.7±0.2	0.5±0.02	6.0±0.1	7.2±0.1
king size filter menthol	s	0.3	0.03	0.5	0.04	0.3	0.2
soft pack	CV	5.1	6.9	6.9	7.5	4.8	2.8
Salem Ultra Lights 100's	$\bar{X}$	4.7±0.1	0.43±0.02	7.4±0.2	0.4±0.02	5.6±0.2	9.8±0.1
100 mm filter menthol	s	0.3	0.04	0.5	0.04	0.4	0.2
soft pack	CV	6.8	9.6	6.7	9.7	6.7	2.4
Saratoga 120's	$\bar{X}$	14.4±0.3	1.04±0.02	14.5±0.4	1.6±0.1	17.0±0.4	13.0±0.1
120 mm filter	s	0.6	0.05	0.9	0.1	0.8	0.2
hard pack	CV	4.5	4.9	6.3	7.9	4.7	1.9
Saratoga 120's	$\bar{X}$	14.9±0.3	1.06±0.02	14.9±0.3	1.7±0.1	17.6±0.3	13.0±0.2
120 mm filter menthol	s	0.6	0.05	0.8	0.2	0.7	0.4
hard pack	CV	3.8	4.3	5.2	9.5	4.2	2.8

**Tobacco Institute Testing Laboratory**  
**Market Sample 30**  
**Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Satin	$\bar{X}$	11.0±0.3	0.97±0.02	12.7±0.3	1.2±0.1	13.3±0.3	9.1±0.1
100 mm filter	s	0.6	0.06	0.8	0.1	0.7	0.3
soft pack	CV	5.2	5.7	6.0	9.2	5.5	3.1
Satin	$\bar{X}$	11.3±0.3	1.00±0.02	13.2±0.4	1.3±0.1	13.6±0.4	9.2±0.1
100 mm filter menthol	s	0.7	0.05	0.9	0.2	0.9	0.3
soft pack	CV	5.8	5.2	6.6	13.0	6.3	3.6
Silva Thins Filters	$\bar{X}$	10.3±0.2	0.87±0.02	11.1±0.2	1.0±0.1	12.2±0.3	9.2±0.1
100 mm filter	s	0.5	0.04	0.4	0.1	0.6	0.3
hard pack	CV	4.5	4.3	3.5	12.9	5.0	2.9
Silva Thins Menthol	$\bar{X}$	11.3±0.2	0.97±0.02	11.4±0.3	1.2±0.05	13.5±0.3	9.5±0.1
100 mm filter menthol	s	0.4	0.04	0.6	0.1	0.6	0.2
hard pack	CV	3.9	4.2	5.3	9.0	4.2	2.5
Silva Thins	$\bar{X}$	11.6±0.2	0.94±0.02	10.2±0.3	1.4±0.1	13.9±0.3	9.3±0.1
100 mm filter	s	0.5	0.04	0.6	0.2	0.7	0.3
soft pack	CV	4.5	4.7	5.9	14.3	5.3	3.2
Silva Thins Menthol	$\bar{X}$	12.1±0.2	1.01±0.02	10.4±0.3	1.5±0.1	14.5±0.3	9.4±0.1
100 mm filter menthol	s	0.5	0.04	0.6	0.2	0.6	0.3
soft pack	CV	3.7	3.8	5.6	10.8	4.2	3.2
Spring 100's	$\bar{X}$	19.4±0.2	1.56±0.02	18.5±0.3	3.3±0.1	24.2±0.3	9.2±0.1
100 mm filter menthol	s	0.5	0.05	0.8	0.3	0.7	0.3
soft pack	CV	2.4	3.2	4.1	8.4	3.0	2.7
Tall 120s	$\bar{X}$	19.9±0.4	1.64±0.04	20.7±0.6	2.2±0.1	23.7±0.5	15.1±0.2
120 mm filter	s	0.9	0.09	1.4	0.2	1.1	0.5
soft pack	CV	4.5	5.4	6.6	8.9	4.7	3.6
Tall 120s	$\bar{X}$	17.8±0.4	1.54±0.03	17.6±0.6	1.9±0.1	21.2±0.5	15.1±0.2
120 mm filter menthol	s	0.9	0.08	1.4	0.2	1.1	0.4
soft pack	CV	5.0	4.9	7.8	8.2	5.0	2.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Tareyton	$\bar{X}$	13.8±0.3	0.95±0.02	15.3±0.3	3.4±0.2	18.1±0.5	8.3±0.1
king size filter	s	0.7	0.04	0.7	0.4	1.1	0.2
soft pack	CV	5.0	4.3	4.7	12.6	5.9	2.9
Tareyton 100's	$\bar{X}$	13.5±0.3	0.97±0.02	16.2±0.4	2.3±0.2	16.8±0.4	9.3±0.1
100 mm filter	s	0.6	0.04	0.9	0.4	0.9	0.3
soft pack	CV	4.2	3.9	5.5	15.9	5.2	3.4
Tareyton Lights	$\bar{X}$	5.1±0.2	0.42±0.02	5.7±0.3	0.5±0.03	6.0±0.3	6.9±0.1
king size filter	s	0.5	0.04	0.6	0.1	0.6	0.2
soft pack	CV	9.5	10.4	10.4	15.9	9.8	3.2
Tareyton Long Lights	$\bar{X}$	8.6±0.2	0.71±0.02	9.2±0.3	0.8±0.04	10.2±0.3	9.8±0.1
100 mm filter	s	0.5	0.05	0.6	0.1	0.7	0.3
soft pack	CV	6.3	6.4	6.8	10.9	6.5	2.9
Triumph	$\bar{X}$	3.6±0.1	0.37±0.02	4.3±0.2	0.4±0.02	4.4±0.2	7.2±0.1
king size filter	s	0.3	0.03	0.5	0.05	0.4	0.3
soft pack	CV	8.7	9.2	12.3	12.8	8.9	4.6
Triumph	$\bar{X}$	3.5±0.2	0.37±0.02	4.3±0.3	0.4±0.02	4.3±0.2	7.1±0.1
king size filter menthol	s	0.5	0.04	0.6	0.05	0.6	0.2
soft pack	CV	13.5	12.2	13.8	12.5	13.0	3.5
Triumph 100s	$\bar{X}$	5.1±0.2	0.50±0.01	6.7±0.2	0.5±0.02	6.1±0.2	8.6±0.2
100 mm filter	s	0.4	0.03	0.6	0.05	0.5	0.4
soft pack	CV	8.1	6.5	8.2	9.2	7.7	4.4
Triumph 100s	$\bar{X}$	5.7±0.2	0.55±0.02	7.5±0.4	0.6±0.03	6.8±0.3	8.6±0.1
100 mm filter menthol	s	0.5	0.04	0.8	0.1	0.6	0.3
soft pack	CV	8.7	6.8	10.4	12.5	8.4	3.7
True	$\bar{X}$	4.8±0.2	0.47±0.02	5.8±0.2	0.5±0.03	5.8±0.3	8.2±0.1
king size filter	s	0.5	0.04	0.5	0.1	0.6	0.2
soft pack	CV	9.8	8.8	9.2	14.7	9.8	2.4

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
True king size filter menthol soft pack	$\bar{X}$	4.7±0.3	0.46±0.03	5.8±0.3	0.5±0.04	5.7±0.4	8.2±0.1
	s	0.7	0.06	0.7	0.1	0.8	0.3
	CV	14.9	12.2	12.9	15.0	14.4	3.5
True 100's 100 mm filter soft pack	$\bar{X}$	7.1±0.3	0.67±0.03	7.4±0.4	0.7±0.04	8.4±0.4	9.7±0.1
	s	0.7	0.06	0.8	0.1	0.9	0.3
	CV	10.6	9.4	10.8	12.9	10.5	3.0
True 100's 100 mm filter menthol soft pack	$\bar{X}$	7.2±0.4	0.68±0.03	7.5±0.4	0.8±0.1	8.7±0.4	9.5±0.1
	s	0.8	0.06	1.0	0.1	1.0	0.3
	CV	11.3	8.8	13.2	15.0	11.3	3.4
Vantage king size filter soft pack	$\bar{X}$	10.6±0.3	0.72±0.02	13.6±0.4	1.4±0.1	12.7±0.4	7.4±0.1
	s	0.7	0.05	0.8	0.2	0.9	0.3
	CV	6.2	6.6	6.0	12.5	6.7	3.5
Vantage king size filter menthol soft pack	$\bar{X}$	10.3±0.3	0.69±0.02	12.8±0.4	1.2±0.1	12.2±0.4	8.0±0.1
	s	0.7	0.03	1.0	0.2	0.9	0.3
	CV	7.1	4.9	7.7	13.0	7.4	3.3
Vantage 100s 100 mm filter soft pack	$\bar{X}$	8.8±0.1	0.62±0.01	12.3±0.2	0.9±0.02	10.3±0.2	9.0±0.1
	s	0.3	0.02	0.5	0.05	0.4	0.3
	CV	3.5	3.4	4.1	5.8	3.5	2.8
Vantage Menthol 100s 100 mm filter menthol soft pack	$\bar{X}$	8.4±0.1	0.61±0.02	12.5±0.3	0.9±0.1	9.9±0.1	9.2±0.1
	s	0.2	0.04	0.6	0.1	0.3	0.2
	CV	2.9	6.4	4.7	14.2	3.3	2.5
Vantage Ultra Lights king size filter soft pack	$\bar{X}$	5.3±0.2	0.44±0.01	7.7±0.4	0.5±0.02	6.2±0.2	7.2±0.1
	s	0.4	0.03	0.9	0.1	0.5	0.2
	CV	7.8	7.2	11.2	10.9	7.8	3.2
Vantage Ultra Lights 100s 100 mm filter soft pack	$\bar{X}$	5.6±0.1	0.47±0.02	9.2±0.3	0.5±0.02	6.6±0.2	8.9±0.2
	s	0.3	0.03	0.7	0.04	0.4	0.4
	CV	5.7	7.2	8.0	7.7	5.7	4.9

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Viceroy king size filter soft pack	$\bar{X}$	15.1±0.3	0.96±0.02	14.7±0.3	3.6±0.3	19.7±0.5	7.4±0.1
	s	0.6	0.05	0.6	0.6	1.2	0.2
	CV	4.1	5.3	4.0	16.4	6.0	2.8
Viceroy Super Long 100's 100 mm filter soft pack	$\bar{X}$	15.8±0.4	1.14±0.02	15.1±0.4	2.4±0.2	19.4±0.6	9.0±0.1
	s	0.8	0.05	0.9	0.4	1.3	0.2
	CV	5.3	4.1	6.2	18.1	6.6	2.3
Viceroy Lights king size filter soft pack	$\bar{X}$	11.5±0.3	0.86±0.02	13.4±0.4	1.5±0.1	13.8±0.4	8.1±0.1
	s	0.7	0.05	0.8	0.3	1.0	0.3
	CV	5.8	5.6	6.2	20.9	7.1	3.6
Viceroy Lights 100's 100 mm filter soft pack	$\bar{X}$	11.8±0.2	0.91±0.02	14.0±0.4	1.2±0.03	13.9±0.2	9.1±0.1
	s	0.5	0.04	0.9	0.1	0.6	0.3
	CV	4.0	4.1	6.6	5.9	4.0	3.2
Virginia Slims 100 mm filter soft pack	$\bar{X}$	15.4±0.2	1.06±0.01	14.1±0.2	2.2±0.1	18.6±0.3	9.9±0.1
	s	0.5	0.03	0.5	0.2	0.6	0.3
	CV	3.0	3.1	3.8	8.8	3.3	2.6
Virginia Slims 100 mm filter menthol soft pack	$\bar{X}$	15.4±0.3	1.07±0.02	13.5±0.4	2.3±0.1	18.7±0.4	9.8±0.1
	s	0.7	0.05	0.8	0.3	1.0	0.2
	CV	4.5	4.7	5.8	14.7	5.1	2.4
Virginia Slims Lights 100 mm filter hard pack	$\bar{X}$	8.8±0.2	0.68±0.02	9.5±0.3	0.9±0.1	10.5±0.2	9.6±0.2
	s	0.5	0.03	0.7	0.1	0.5	0.4
	CV	5.2	5.1	6.8	14.0	5.0	4.1
Virginia Slims Lights 100 mm filter menthol hard pack	$\bar{X}$	8.6±0.2	0.68±0.02	9.2±0.2	0.9±0.03	10.1±0.2	9.6±0.1
	s	0.4	0.04	0.5	0.1	0.5	0.3
	CV	5.0	6.2	5.2	7.8	5.0	3.2
Virginia Slims Lights 120's 120 mm filter hard pack	$\bar{X}$	14.3±0.3	1.02±0.03	14.7±0.5	1.6±0.1	16.9±0.4	12.8±0.2
	s	0.8	0.06	1.1	0.2	1.0	0.4
	CV	5.4	5.6	7.4	12.2	5.9	3.0

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Virginia Slims Lights 120's 120 mm filter menthol hard pack	$\bar{X}$ s CV	14.6±0.5 1.0 7.1	1.05±0.02 0.04 4.1	14.5±0.5 1.2 8.2	1.7±0.1 0.3 15.1	17.3±0.6 1.3 7.6	13.0±0.2 0.4 2.8
Virginia Slims Ultra Lights 100 mm filter hard pack	$\bar{X}$ s CV	5.9±0.1 0.3 4.3	0.49±0.01 0.02 4.8	6.8±0.2 0.4 6.3	0.6±0.02 0.04 7.9	6.9±0.1 0.3 4.3	8.8±0.1 0.3 3.3
Virginia Slims Ultra Lights 100 mm filter menthol hard pack	$\bar{X}$ s CV	6.3±0.1 0.3 4.2	0.52±0.01 0.03 6.4	7.3±0.2 0.4 5.7	0.6±0.02 0.04 6.9	7.4±0.1 0.3 4.3	8.5±0.1 0.2 2.3
Winston king size filter hard pack	$\bar{X}$ s CV	16.4±0.2 0.5 2.8	1.03±0.01 0.03 3.2	16.4±0.3 0.7 4.1	3.6±0.1 0.3 9.1	21.1±0.3 0.7 3.3	8.1±0.1 0.2 2.6
Winston king size filter soft pack	$\bar{X}$ s CV	16.8±0.3 0.6 3.7	1.09±0.02 0.04 3.3	15.9±0.2 0.6 3.5	3.3±0.2 0.5 14.1	21.2±0.5 1.0 4.8	8.8±0.1 0.2 2.1
Winston 100's 100 mm filter soft pack	$\bar{X}$ s CV	17.2±0.3 0.6 3.7	1.07±0.02 0.04 4.0	17.5±0.3 0.7 3.8	2.4±0.1 0.2 9.7	20.7±0.4 0.8 4.1	10.1±0.1 0.3 2.7
Winston Lights king size filter hard pack	$\bar{X}$ s CV	10.0±0.2 0.5 4.9	0.63±0.01 0.03 5.2	11.9±0.3 0.7 5.9	1.2±0.1 0.1 10.8	11.8±0.3 0.6 5.4	7.6±0.1 0.2 3.2
Winston Lights king size filter soft pack	$\bar{X}$ s CV	10.9±0.2 0.4 3.7	0.75±0.01 0.03 3.7	13.5±0.4 0.8 5.8	1.3±0.04 0.1 7.8	12.9±0.2 0.5 3.9	7.9±0.1 0.2 2.7
Winston Lights 100's 100 mm filter hard pack	$\bar{X}$ s CV	9.6±0.2 0.4 4.5	0.67±0.01 0.02 3.7	11.1±0.3 0.7 6.4	1.0±0.04 0.1 8.0	11.3±0.2 0.5 4.7	9.6±0.1 0.3 3.2

**Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data**

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Winston Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	11.2±0.2 0.4 3.5	0.79±0.01 0.03 3.2	13.0±0.3 0.7 5.3	1.2±0.04 0.1 6.8	13.2±0.2 0.5 3.5	9.5±0.1 0.2 2.6
Winston Ultra Lights king size filter soft pack	$\bar{X}$ s CV	5.1±0.1 0.3 5.3	0.43±0.01 0.02 5.8	7.8±0.2 0.6 7.1	0.4±0.02 0.04 8.6	6.0±0.1 0.3 5.3	7.0±0.1 0.2 3.1
Winston Ultra Lights 100's 100 mm filter soft pack	$\bar{X}$ s CV	5.1±0.1 0.3 5.4	0.45±0.01 0.03 6.0	8.6±0.2 0.5 5.8	0.5±0.02 0.05 10.2	6.0±0.1 0.3 5.2	8.9±0.1 0.3 3.3
Craven "A" king size filter hard pack	$\bar{X}$ s CV	15.5±0.3 0.6 3.6	1.13±0.02 0.04 3.8	15.7±0.3 0.7 4.8	3.4±0.2 0.4 12.2	20.0±0.4 0.9 4.6	9.2±0.1 0.2 2.1
Craven "A" regular size filter hard pack	$\bar{X}$ s CV	16.0±0.4 0.9 5.6	1.11±0.03 0.06 5.4	12.8±0.3 0.7 5.7	2.4±0.3 0.6 23.8	19.4±0.7 1.5 7.5	9.2±0.2 0.5 5.2
Dunhill International 100 mm filter hard pack	$\bar{X}$ s CV	14.8±0.2 0.5 3.7	1.38±0.03 0.06 4.2	17.3±0.4 0.9 5.1	1.9±0.2 0.4 19.9	18.1±0.4 0.9 5.0	10.3±0.1 0.3 3.2
Dunhill Menthol 100 mm filter menthol hard pack	$\bar{X}$ s CV	14.5±0.2 0.5 3.4	1.23±0.02 0.04 2.9	17.1±0.3 0.8 4.5	1.7±0.1 0.2 11.7	17.5±0.3 0.7 3.9	10.3±0.1 0.2 1.7
Dunhill International Superior Mild 100 mm filter hard pack	$\bar{X}$ s CV	9.3±0.2 0.5 4.9	0.79±0.01 0.03 4.0	10.8±0.3 0.7 6.5	0.9±0.1 0.2 19.0	11.1±0.3 0.6 5.7	9.3±0.1 0.2 2.2
Rothmans king size filter hard pack	$\bar{X}$ s CV	18.6±0.3 0.7 3.9	1.27±0.03 0.06 4.6	20.4±0.3 0.7 3.6	4.4±0.3 0.8 17.3	24.3±0.6 1.4 5.9	9.8±0.1 0.2 2.3



Tobacco Institute Testing Laboratory  
Market Sample 30  
Per Cigarette Data

Brand		"Tar" mg/cig	"Nicotine" mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Rothmans Special Mild king size filter hard pack	$\bar{X}$	13.8±0.2	1.01±0.02	15.6±0.3	2.6±0.2	17.5±0.3	8.8±0.1
	s	0.4	0.03	0.7	0.4	0.8	0.2
	CV	3.2	3.4	4.5	16.5	4.4	2.2
St. Moritz Filter 100s 100 mm filter soft pack	$\bar{X}$	14.8±0.3	1.10±0.02	14.8±0.3	2.3±0.2	18.2±0.5	8.7±0.1
	s	0.7	0.05	0.7	0.4	1.0	0.3
	CV	4.6	4.2	4.6	15.7	5.8	3.1
St. Moritz Menthol Filter 100 mm filter menthol soft pack	$\bar{X}$	15.1±0.2	1.04±0.02	15.5±0.3	2.3±0.1	18.4±0.3	8.7±0.1
	s	0.4	0.05	0.7	0.3	0.6	0.2
	CV	2.7	4.8	4.4	11.3	3.5	2.4
Industry Monitor 11	$\bar{X}$	13.5±0.03	1.08±0.002	12.1±0.03	1.7±0.01	16.3±0.04	8.3±0.02
	s	0.05	0.05	0.06	0.2	0.7	0.3
	CV	3.9	4.3	4.9	11.3	4.4	3.7

**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<b>Brand</b>	<b>Length - mm</b>
Alpine KFMSP .....	28,29
Belair KFMSP .....	32,33,34,35,36
Belair 100's 100FMSP .....	38,39,40
Benson & Hedges KFHP .....	33,34
Benson & Hedges 100's 100FHP .....	34,35,36
Benson & Hedges 100's 100FMHP .....	35,36
Benson & Hedges 100's 100FSP .....	34,35,36
Benson & Hedges 100's 100FMSP .....	34,35,36
Benson & Hedges Deluxe Ultra Lights 100's 100FHP .....	38,39,40
Benson & Hedges Deluxe Ultra Lights 100's 100FMHP .....	38,39,40
Benson & Hedges Lights 100's 100FSP .....	38,39,40
Benson & Hedges Lights 100's 100FMSP .....	38,39,40
Benson & Hedges Multifilter KFSP .....	32,33,34
Bright 100s 100FMSP .....	37,38,39
Cambridge Full Flavor KFSP .....	28,29
Cambridge Full Flavor 100's 100FSP .....	39,40
Cambridge Lights KFSP .....	33,34,35
Cambridge Lights KFMSP .....	33,34,35
Cambridge Lights 100's 100FSP .....	38,39,40
Cambridge Lights 100's 100FMSP .....	38,39,40
Camel RNFSP .....	23
Camel Filters KFHP .....	25,5,26,26.5
Camel Filters KFSP .....	27,28,29,30
Camel Filters 100FSP .....	34,35
Camel Lights KFHP .....	30,31
Camel Lights KFSP .....	33,34,35
Camel Lights 100's 100FSP .....	38,39
Capri 100FHP .....	35,36
Capri 100FMHP .....	35,36
Carlton KFHP .....	38,39,40
Carlton KFSP .....	32,33,33.5,34,34.5
Carlton KFMSP .....	32,33,33.5,34,35
Carlton 100's 100FHP .....	38,39
Carlton 100's 100FMHP .....	37,38,39,40
Carlton 100's 100FSP .....	33,34,35,35.5,36
Carlton 100's 100FMSP .....	34,35,35.5,36
Carlton 120's 120FSP .....	37,38,39
Carlton 120's 120FMSP .....	37,38,39,41
Century 25's KFSP .....	29,30,31
Century 25's 100's 100FSP .....	37,38,39
Century 25's Lights KFSP .....	33,34,35,36
Century 25's Lights 100's 100FSP .....	38,38.5,39
Century 25's Menthol Lights 100's .....	37,38,39
Chesterfield RNFSP .....	23
Chesterfield KNFSP .....	23
Doral Full Flavor KFHP .....	26,27
Doral Full Flavor KFSP .....	27,28,29

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**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<b>Brand</b>	<b>Length - mm</b>
Doral Full Flavor 100's 100FSP	37,38,39
Doral Filter Lights KFSP	33,34,34.5,35
Doral Menthol Filter Lights KFMSP	33,34,34.5,35
Doral 100's Filter Lights 100FSP	36,37,38,39,40
Doral Menthol Lights 100's 100FMSP	37,38,39
Doral Ultra Lights 100's 100FSP	37,37.5,38,38.5,39
Eli Cutter KFSP	28,29,29.5
Eli Cutter Lights KFSP	35,36
English Ovals KNFHP	23
Eve Slim Lights 100's 100FHP	37,38,39
Eve Slim Lights 100's 100FMHP	37,38,39
Eve Lights 120's 120FHP	37,38,39,40
Eve Lights 120's 120FMHP	36,37,38,39,40
Falcon Lights KFSP	34,34.5,35,35.5,36
Falcon Lights KFMSP	34,35,35.5,36
Falcon Lights 100's 100FSP	37.5,38,39,39.5,40
Falcon Lights 100's 100FMSP	37.5,38,39,39.5,40
Fiesta KFSP	32,33,34
Herbert Tareyton KNFSP	23
Hi-Lite 100FHP	35
Kent Golden Lights KFHP	32,33,34
Kent Golden Lights KFSP	34,35,36
Kent Golden Lights KFMSP	34,35,36
Kent Golden Lights 100s 100FHP	35,36,37,38,39,40
Kent Golden Lights 100s 100FSP	35,36,36.5,37,37.5,38
Kent Golden Lights 100s 100FMSP	36,37,38,39,40
Kent KFHP	28,29
Kent KFSP	28,29,30
Kent 100s 100FSP	35,36,37,38
Kent 100s 100FMSP	35,36,37
Kent III KFSP	34,35,36
Kent III 100s 100FHP	36,36.5,37,38
Kent III 100s 100FSP	36,36.5,37,38
Kim 25's 100FHP	32,33,34
Kim 25's 100FMHP	32,33,34
Kool RNFMSMSP	23
Kool KFMHP	26,26.5
Kool KFMSP	28,29,30
Kool Super Longs 100's 100FMSP	35,36
Kool Lights KFMSP	33,34,35,36
Kool Lights 100's 100FMSP	38,38.5,39,39.5
Kool Milds KFMHP	27,28,29,30
Kool Milds KFMSP	34,35,36
Kool Milds 100's 100FMSP	38,39
Kool Ultra KFMSP	34,35,36
Kool Ultra 100's 100FMSP	38.5,39,39.5
L & M KFHP	28,29,29.5

**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<b>Brand</b>	<b>Length - mm</b>
L & M KFSP.....	33,34
L & M Super 100 100FSP .....	38,39
L & M Long Lights 100FSP.....	36,37,38,39,40
L & M 30's Lights 100's 100FSP .....	37,38,39
Lark KFSP .....	32,33,34
Lark 100FSP .....	37,38,39
Lark Lights KFSP.....	33,34
Lark Light 100's 100FSP .....	28,29
Lucky Strike RNFSP.....	23
Lucky Strike KFHP.....	33,34
Lucky Strike KFSP.....	33,34
Lucky Strike Filters 100's 100FSP .....	34,35,36
Lucky Strike Menthol 100's 100FMSP .....	34,35,35.5,36.5,37
Lucky Strike Lights KFSP.....	32,33,34
Lucky Strike Lights 100's 100FSP .....	34,35,36
Magna KFHP .....	26,27
Magna KFSP.....	28,29
Magna Lites KFSP.....	34,35
Malibu 100's 100FSP.....	33,34,35,36,37
Malibu Menthol 100's 100FMSP.....	35,36
Malibu Light's 100's 100FSP.....	34,34.5,35,35.5,36
Marlboro KFHP.....	26,27
Marlboro KFSP .....	28,29
Marlboro KFMSP .....	28,29
Marlboro 100's 100FHP .....	34,35
Marlboro 100's 100FSP .....	34,35
Marlboro 25's KFSP .....	27,28,29
Marlboro Lights KFHP.....	33,34,35
Marlboro Lights KFSP .....	34,35
Marlboro Lights KFMSP .....	33,34,35
Marlboro Lights 100's 100FHP .....	38,39,40
Marlboro Lights 100's 100FSP .....	38,39,40
Marlboro Lights 100's 100FMSP .....	38,39,40
Marlboro Lights 25's KFSP .....	33,34,35
Marlboro 100 Red 100FHP .....	34,35
Marlboro 100 Red 100FSP .....	35
Max 120s 120FSP .....	37,38,39
Max 120s 120FMSP .....	37,38,39
Merit KFHP.....	35,35.5,36
Merit KFSP.....	35,35.5,36
Merit KFMSP.....	34.5,35
Merit 100's 100FSP .....	39,39.5,40
Merit 100's 100FMSP .....	39,39.5,40
Merit Ultra Lights KFSP .....	34,35
Merit Ultra Lights KFMSP.....	34,35,36
Merit Ultra Lights 100's 100FSP.....	38,39,39.5,40
Merit Ultra Lights 100's 100FMSP.....	39,40

**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<b>Brand</b>	<b>Length - mm</b>
More 120s 120FSP .....	42,43
More 120s 120FMSP .....	42,43
More Lights 100s 100FHP .....	37,38,39
More Lights 100s 100FMHP .....	37,38,39
More Lights 120s 120FSP .....	41,42,43
More Lights 120s 120FMSP .....	41,42,43
Newport KFMHP .....	28,29,30
Newport KFMSP .....	27,28,29,30
Newport 100's 100FMHP .....	35,36,37,38
Newport 100's 100FMSP .....	35,36,37
Newport (25) KFMSP .....	28,29,30
Newport 100's (25) 100FMSP .....	35,36,37
Newport Lights KFMHP .....	31,32,33,34
Newport Lights KFMSP .....	33,34,35,36
Newport Lights 100's 100FMHP .....	35,36,37,38,39,40
Newport Lights 100's 100FMSP .....	35,36,37,37.5,38,38.5,39,40
Now KFHP .....	34,34.5,35,35.5
Now KFSP .....	33,34,34.5,35,36
Now KFMSP .....	33,34,34.5,35,36
Now 100s 100FSP .....	37,38,38.5
Now 100s 100FMSP .....	37,38,38.5,39
Old Gold Straights KNFSP .....	23
Old Gold Filters KFSP .....	27,28,29
Old Gold Filter 100's 100FSP .....	35,36,37
Old Gold Lights KFSP .....	34,35,36
Old Gold Lights 100s 100FSP .....	34,35,36,37
Pall Mall KNFSP .....	23
Pall Mall 25's KNFSP .....	23
Pall Mall 100's 100FSP .....	34,34.5,35,35.5,36
Pall Mall Unfiltered Lights KNFSP .....	27,28
Pall Mall Light 100's 100FSP .....	36,37,38,39,40,41
Pall Mall Light 100's Low Tar 100FMSP .....	34,35,36,37
Pall Mall Red KFSP .....	26,27,28
Pall Mall Red 100FSP .....	35,36
Parliament Lights KFHP .....	33,34
Parliament Lights KFSP .....	33,33.5,34
Parliament Lights 100's 100FSP .....	39,39.5,40
Philip Morris RNFSP .....	23
Philip Morris Commander KNFSP .....	23
Philip Morris Blues KFMSP .....	28,28.5,29
Philip Morris Blues 100FMSP .....	33.5,34.5,35
Philip Morris International 100FHP .....	35,36
Philip Morris International 100FMHP .....	35,36
Players RNFHP .....	23
Players KFHP .....	34,35,36
Players KFMHP .....	35,35.5
Players 100's 100FHP .....	38,39,39.5,40

**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<u>Brand</u>	<u>Length - mm</u>
Players 100's 100FMHP .....	38,39,39.5
Players Lights 25's KFSP .....	32,34,34.5,35,35.5,36
Players Lights 25's KFMSF .....	33,33.5,34,34.5,35,36
Players 25's Lights 100's 100FSP .....	38,38.5,39,39.5,40
Players 25's Lights 100's 100FMSP .....	39,39.5
Raleigh KNFSP .....	23
Raleigh KFSP .....	29,30
Raleigh 100's 100FSP .....	35,36
Raleigh Lights KFSP .....	32,33,34,35,36
Raleigh Lights 100's 100FSP .....	39,40
Richland (25) KFSP .....	28,28.5,29
Richland (25) KFMSF .....	28.5,29,29.5
Richland (25) 100's 100FSP .....	35
Richland (25) 100's 100FMSP .....	34,34.5,35,35.5,36
Richland Lights (25) KFSP .....	34,35,36
Richland Lights (25) 100's 100FSP .....	38.5,39,39.5,40
Ritz 100 100FHP .....	38,38.5,39
Ritz 100 100FMHP .....	38,38.5,39
Salem KFMSF .....	28,29
Salem 100's 100FMSP .....	34,34.5,35
Salem Lights KFMSF .....	34,34.5,35
Salem Lights 100's 100FMHP .....	27,28,29
Salem Lights 100's 100FMSP .....	37,38,38.5,39
Salem Slim Lights 100's 100FMHP .....	37,37.5,38,38.5,39
Salem Ultra Lights KFMSF .....	34,34.5,35
Salem Ultra Lights 100's 100FMSP .....	37,38,38.5,39
Saratoga 120's 120FHP .....	39,40
Saratoga 120's 120FMHP .....	38,39,40
Satin 100FSP .....	34,35,36,36.5,37,38
Satin 100FMSP .....	34,35,36,36.5,37
Silva Thins Filters 100FHP .....	38,39,40
Silva Thins Menthol 100FMHP .....	39,40
Silva Thins 100FSP .....	34,35,35.5,36,37
Silva Thins Menthol 100FMSP .....	35,36
Spring 100's 100FMSP .....	35.5,36,36.5,37,37.5
Tall 120s 120FSP .....	37,38,38.5,39
Tall 120s 120FMSP .....	37,37.5,38,39
Tareyton KFSP .....	26,27,28
Tareyton 100's 100FSP .....	34,35,36,37
Tareyton Lights KFSP .....	33,34,35.5,36,37
Tareyton Long Lights 100FSP .....	33,34,35,36
Triumph KFSP .....	35,36
Triumph KFMSF .....	34,35,36
Triumph 100s 100FSP .....	33,35,36,37,38,39
Triumph 100s 100FMSP .....	35,36,37,38,39
True KFSP .....	32,33,34
True KFMSF .....	32,32.5,33,34,35

**Butt Lengths**  
**Tobacco Institute Testing Laboratory**  
**Market Sample 30**

<b>Brand</b>	<b>Length - mm</b>
True 100's 100FSP.....	35,36,36.5,37,38
True 100's 100FMSP.....	36,37
Vantage KFSP.....	33,34
Vantage KFMSF.....	32,33,33.5,34
Vantage 100s 100FSP.....	37,38
Vantage Menthol 100s 100FMSP.....	37,38,38.5,39
Vantage Ultra Lights KFSP.....	33,34,35
Vantage Ultra Lights 100s 100FSP.....	37,38,38.5,39
Viceroy KFSP.....	29,30
Viceroy Super Long 100's 100FSP.....	35,36
Viceroy Lights KFSP.....	33,34,35,36
Viceroy Lights 100's 100FSP.....	38,39,40
Virginia Slims 100FSP.....	34,35,36
Virginia Slims 100FMSP.....	34,35,36
Virginia Slims Lights 100FHP.....	38,39,40
Virginia Slims Lights 100FMHP.....	38,39,40
Virginia Slims Lights 120's 120FHP.....	39,40
Virginia Slims Lights 120's 120FMHP.....	38,39,40
Virginia Slims Ultra Lights 100FHP.....	38,39,40,41
Virginia Slims Ultra Lights 100FMHP.....	38,39,40
Winston KFHP.....	26,27
Winston KFSP.....	28,29
Winston 100's 100FSP.....	37,37.5,38,38.5
Winston Lights KFHP.....	30,31
Winston Lights KFSP.....	34,34.5,35
Winston Lights 100's 100FHP.....	37,38,39
Winston Lights 100's 100FSP.....	37,38,38.5,39
Winston Ultra Lights KFSP.....	34,34.5,35
Winston Ultra Lights 100's 100FSP.....	37,38,38.5,39
Craven "A" KFHP.....	24,25
Craven "A" RFHP.....	23
Dunhill International 100FHP.....	31
Dunhill Menthol 100FMHP.....	31
Dunhill International Superior Mild 100FHP.....	31
Rothmans KFHP.....	24,25
Rothmans Special Mild KFHP.....	27,27.5
St. Moritz Filter 100s 100FSP.....	35,36,37,38
St. Moritz Menthol Filter 100MSP.....	35,36,37,38